COMSATS
University
Islamabad

ANNUAL
REPORT
2019-20

Annual Report 2019-2020

President of Pakistan Dr. Arif Alvi chaired a meeting at Aiwan e Saddar as CUI's Chancellor. Rector CUI along with Pro Chancellors were also present

Professor Dr. Muhammad T. Afzal assumed charge as Rector, COMSATS University Islamabad in a graceful ceremony held at CUI Principal Seat on July 20, 2020

Annual Report 2019-2020

Rector's Message

It is a privilege to present the Annual Report of COMSATS University Islamabad (CUI) for 2019-2020. The achievements painted in this report reveal the phenomenal work, devotion of all members of the CUI community and is a proud evidence of our University which has earned significant reputation as one of the premier universities of the Higher Education in the Country. During the last twenty years of its momentous journey, CUI has accomplished tremendous growth and development in its pursuit towards bringing quality education and reshaping the higher education scenario of our beloved Country.

Today, CUI has endeavored to improve quality standards of higher education as it is the fast-growing research-based university in Pakistan, with a wide range of academic programs, ranging from basic sciences to cutting edge emerging technologies making it an ideal place for higher studies.

With the support of Government, CUI has made investments in establishing inter-disciplinary research centers in various fields for the development of products and processes indigenously for local industry and society for socioeconomic development of Pakistan.

CUI has maintained a strong global outlook in this year by appearing in world top 800 universities in TIMES Higher Education (THE) World Universities Rankings 2020, 801-1000 in QS World Universities Rankings 2021 and at 221 position in THE University Impact Rankings 2020.

Overall, this year is yet another successful year for the CUI in terms of programs offered, student's enrollment, research publications, infrastructure and International Outlook, etc. CUI has been persistent in providing transformative education and services to nurture its students.

I am confident that CUI will remain committed to its endeavors in providing quality education and research and further contribute significantly for the socio-economic development of the country.

Prof. Dr. Muhammad T. Afzal
Rector

Executive Summary

COMSATS Institute of Information Technology (CIIT) was established in 1998 as a Center of Excellence of Commission on Science and Technology for Sustainable Development in the South (COMSATS) with a vision to revolutionize the higher education paradigm. In 2000, CIIT was awarded charter of Degree Awarding Institute and in April 2018, CIIT was upgraded to COMSATS University Islamabad (CUI) i.e. to a university status. The CUI has completed its 20 years and I am ecstatic to share that the University has been continuously improving and the year 2019-20 is no exception.

This Annual report starts with an overview of the University, highlighting some important facts like mission, vision, and its governance structure. The first chapter befittingly covers the academic activities describing the variety of programs being offered at CUI. Obtaining position in world's premier rankings like TIMES Higher Education, and QS is also worth mentioning. This chapter highlights the foreign academic and institutional linkages and improvement in its Internationalization efforts during the reporting period.

The chapter two elaborates the Research and Development activities, be it in terms of projects, publications, conferences, seminars, and workshops. The detail of those held during the reporting period is incorporated in this chapter. Few of the major workshops/seminars/ symposia include Frontiers of Information Technology, Symposium on Biomedical Materials, International Conference on Drug Development, and Global Forum on Islamic Finance, etc. The chapter also provides information about the research collaborations and activities, significantly, the research publications during the reporting period reached to a figure of 2,714 making a total of 14,000. So far 84 patents have been registered out of which 29 are granted. The third chapter is about Quality Assurance and significant steps taken in ensuring quality of teaching and research in the Institute. CUI understands the importance of competent faculty and to provide them with opportunities for growth and development. Chapter four describes the faculty development at CUI which is the largest faculty development program among the universities/institutions of higher education in the country. The faculty members stand at a figure of 2,787 during the reporting period including 1,139 PhD's. Until August 31, 2020, more than 450 scholars have returned and rejoined CUI after completing their higher studies abroad. Faculty Development Academy (FDA) of the Institute has continued to provide pre-service and in-service trainings to cater the training needs of the faculty. Foreign faculty is also hired in order to provide diversity among the faculty.

Chapter five enlists the basic facts about the students like enrollment, equity, and faculty-student ratio, etc. The student enrollment as of August 31, 2020 (Spring 2020) is 34,010. The highest enrollment was observed in Faculty of Information Science and Technology with 12,249 students.

The next chapter, Universities Building Economies, contains the information on linkages established with the industry and the activities of Business Incubation Center and Cubator1 in promoting entrepreneurship. The University understands and realizes its duty of providing students with as all possible help and guidance during their stay at CUI. In order to help them in their career development, CUI has established internship and placement offices at its campuses which are also responsible for career counseling of the students. Different workshops/seminars are organized by these offices to make students aware of the challenges they may face in their careers.

Chapter seven and eight highlight the strengthening of physical and technological infrastructure including details of development and construction projects, research equipment, digital library, PERN, video conferencing, etc. Until the end of FY 2019-20, CUI has completed 53 development projects, while 04 projects are on-going. The library at CUI provides access to more than 32,000 high quality journals/articles/databases through HEC's Digital Library provision. Chapter nine provides information about the public service activities, which CUI feels its obligations.

Besides teaching and learning, sports and co-curricular activities are very helpful in developing strong personalities and instilling various traits. The events held/participated in this regard during the reporting period are elaborated in chapter ten and eleven. The next chapter provides financial information while chapter thirteen covers the paradigm of University Governance. Chapter fourteen highlights Students Financial Aid Offices at campuses. The report in hand ends with chapter fifteen, which provides generic details about medical/health facilities available at campuses of CUI, and counseling service being provided for stress reduction. The report concludes with relevant annexure supplementing the information contained in the report.

Prof. Dr. Shamsul Qamar
Registrar

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Rector CUI Prof. Dr. Muhammad T. Afzal planting a tree during the independence day celebration with flag hosting ceremony and tree plantation drive commencement on Islamabad Campus.

Preface

COMSATS University Islamabad (CUI) was established in 1998, as COMSATS Institute of Information Technology (CIIT), as a project of the Commission on Science and Technology for Sustainable Development in the South (COMSATS), which is an inter-governmental organization with 27 member states in three continents; Asia, Africa and Latin America. It was later granted status of Degree Awarding Institute (DAI) by Federal Government of Pakistan on August 12, 2000.

The erstwhile Institute was then upgraded to a Federally Chartered 'COMSATS University Islamabad' on April 26, 2018 through Act No XI of 2018 as the National Assembly of Pakistan on April 11, 2018 passed the bill to provide a status of the University to COMSATS Institute of Information Technology (CIIT), a Public Sector Degree Awarding Institute. The bill was presented by the Senate, which was passed after a thorough debate and later with consensus by the House. The upgradation of CIIT to a University is a significant milestone in the Institute's quest for becoming the nation's premier higher education institution with strong national and international standings.

Consequently, after its transformation, CUI now functions under the governance of the Senate which is chaired by the Chancellor of CUI. The President of Islamic Republic of Pakistan is the Chancellor of CUI and also the Chairperson of the Senate.

As per the previous charter the reporting time period of presenting Annual Report was July to June of the academic year which has been changed accordingly. Now as per the new statutes 'Academic Year' means a-year beginning on the 1st September of a year and ending on the 31st of August of subsequent year. Therefore, keeping in view CUI's upgradation, we have covered academic periods in this annual report from September 2019 to August 2020.

COMSATS University Islamabad (CUI)

CUI is a multi-campus Institute offering assorted degree programs in the fields of Science, Engineering, Technology, Architecture, Design, Business, etc. Currently, there are seven functional campuses of CUI at Islamabad, Abbottabad, Wah, Lahore, Attock, Sahiwal, and Vehari along with a Virtual Campus and a few more are in the pipeline.

Vision

The CUI envisions assuming a truly national character for itself in the years to come. It envisions having presence in all provinces of the country. It sees for itself a position among top 100 universities in the developing countries and top 500 universities in the world in 5, and 10 years' time respectively. Focus in the period 2005-10 was on science led engineering, while in the period 2010-15 on initiating social sciences programs. During 2015-20, the focus will be on establishing programs in medical and agricultural sciences.

Mission

The COMSATS University Islamabad founded in the belief that understanding enriches all people, is dedicated to the search for truth through advancement of learning and extending the frontiers of knowledge; to the sharing of this knowledge through education in an academically diverse range of disciplines and subjects; and to the application of this knowledge to benefit the people of Pakistan, in particular, and the Muslim Ummah, and the world, at large.

The University's mission is threefold:

Teaching and Learning

Share the knowledge, understanding and creativity by providing a broad range of educational programs in a diverse community of learners and teachers, and prepare graduate, professional, and undergraduate students, as well as non-degree seeking students interested in continuing education as lifelong learning, and for assuming active roles in competitive and culturally diverse environs.

Research and Discovery

Generate and preserve knowledge, understanding, and creativity by triggering enquiry, conducting high-quality research, and promoting scholarship that benefits students, scholars, and communities across the country, the Muslim Ummah, and the world, at large.

Outreach and Public Service

Extend, apply and exchange knowledge between the Institute and society by applying scholarly expertise to intellectual, social and technological problems, by helping organizations and individuals respond to their changing environments and by making the knowledge and resources created and preserved at the Institute accessible to the citizens. Using the resources of its multiple campuses in an integrated fashion, the Institute vies to strengthen the services to the state through the education of a modern workforce, research and development, technology commercialization, and promoting partnerships with businesses, government and community groups.

Organizational Administrative Structure

Chancellor
(President of Pakistan)

Pro Chancellor
(Federal Minister for
Science and Technology)

Pro Chancellor
(Executive Director
COMSATS)

Rector

Secretariats

Registrar

Treasurer

Controller of Examination

Principal Seat Offices

Academics

Dean, Faculty of Information Sciences
and Technology

Dean, Faculty of Engineering

Dean, Faculty of
Business Administration

Dean, Faculty of Science

Dean, Faculty of Architecture
and Design

Office of Research, Innovation
and Commercialization

Campuses

In charge Islamabad

Director Abbottabad

Director Wah

Director Lahore

Director Attock

Director Sahiwal

Director Vehari

In-charge Virtual Campus

Faculties, Departments and Research Centers

06 faculties, 22 departments, and 08 research centers were functional at CUI during the reporting period which are listed below:

Faculty	Departments/Research Centers
Faculty of Information Sciences and Technology	Department of Computer Science Department of Health Informatics
Faculty of Business Administration	Department of Management Sciences ➢ Business Incubation Center ➢ Center for Policy Studies ➢ China Study Center Department of Development Studies Department of Humanities Department of Economics
Faculty of Engineering	Department of Electrical and Computer Engineering ➢ Center for Advanced Studies in Telecommunication ➢ Energy Research Center Department of Chemical Engineering Department of Mechanical Engineering Department of Civil Engineering
Faculty of Science	Department of Mathematics Department of Statistics Department of Biosciences ➢ Interdisciplinary Research Center in Biomedical Materials Department of Meteorology ➢ Center for Climate Research and Development Department of Physics Department of Pharmacy ➢ Center for Advance Drug Research Department of Earth Sciences Department of Biotechnology Department of Chemistry Department of Environmental Sciences
Faculty of Architecture and Design	Department of Architecture and Design Department of Art and Design
Faculty of Health Sciences	-------

In addition to above, the UNESCO Chair on Knowledge Systems for Integrated Water Resources Management (IWRM) at COMSATS University Islamabad-Wah, Campus, Pakistan was established in February 2014 and renewed on June 2019. In 2019-2020, Dean, Faculty of Engineering with acting charge of UNESCO Water Chair has participated and presented activities in Annual meetings at regional and national levels to UNESCO, PCRWR and others. Presently he is actively pursuing for the start up of Category-II water research center at CUI, Abbottabad Campus.

Senate as on August 31, 2020

Dr. Arif Alvi President of Pakistan / Chancellor, CUI	Chairperson
Chaudhry Fawad Hussain Federal Minister for S & T / Pro-Chancellor-I, CUI Ministry of Science and Technology, Islamabad	Member (Ex-Officio)
Dr. S. M. Junaid Zaidi, H.I., S.I. Executive Director / Pro-Chancellor-II, CUI COMSATS Headquarters, Islamabad	Member (Ex-Officio)
Prof. Dr. Muhammad Tabassum Afzal Rector, COMSATS University Islamabad	Member (Ex-Officio)
Capt. (Retd.) Nasim Nawaz Federal Secretary Ministry of Science and Technology, Islamabad	Member (Ex-Officio)
Mrs. Farah Hamid Khan Federal Secretary, Ministry of Federal Education and Professional Training, Islamabad	Member (Ex-Officio)
Pro-Rector (to be nominated by Rector)	Member (Ex-Officio)

Four Persons from Society at Large

Mr. Bakhtiar Khan Chief Executive Officer, Delta Group, Karachi	Member
Mr. Wahaj us Siraj Chief Executive, Nayatel (Pvt.) Ltd., Islamabad	Member

Lt. Gen. Syed Muhammad Imran Majeed H.I. (M) Vice Chancellor, National University of Medical Sciences, Rawalpindi	Member
Dr. Navaid ul Zafar Member of BoG Hamdard University Karachi Former Managing Director, Hamdard Laboratories (Waqf) Pakistan, Karachi	Member

Alumni of the University

Ms. Sonia Shamroz Director, Police Training School, Mansehra	Member

Two Persons from Academic Community other than CUI

Dr. Najma Najam Advisor, Virtual University of Pakistan, Lahore	Member
Dr. Naveed A. Malik Former Rector, Virtual University of Pakistan, Lahore	Member

Four University Teachers from CUI

Dr. Muhammad Mushtaq Khan Professor, Department of Humanities CUI, Abbottabad Campus	Member
Dr. Moinuddin Ghauri Associate Professor, Department of Chemical Engineering, CUI, Lahore Campus	Member
Dr. Rab Nawaz Assistant Professor, Department of Mathematics CUI, Islamabad Campus	Member

Chairman, Higher Education Commission

Dr. Tariq Banuri Chairman, Higher Education Commission, Islamabad	Member (Ex-Officio)

Two Parliamentarians

Engr. Rukhsana Zuberi, Senator The Senate of Pakistan, Islamabad	Member
Ms. Andleeb Abbas, MNA Federal Parliamentary Secretary for Foreign Affairs Constitution Avenue, Islamabad	Member
Late Prof. Dr. Moiz ud Din Khan Registrar, CUI	Secretary

Vehari Campus

Lahore Campus

Wah Campus

Abbottabad Campus

Attock Campus

Sahiwal Campus

Chapter 01

Academics Activities

Programs Offered

CUI continues to introduce new programs in various fields to keep abreast of the changing trends in the higher education. The number of programs offered during 2019-20 is 99, which includes 44 undergraduate and 55 graduate programs. The list of programs is given below:

Undergraduate Programs

Bachelor of Science in:

Accounting & Finance, Bioinformatics, Biosciences, Biotechnology, Business Administration, Chemical Engineering, Civil Engineering, Computer Engineering, Computer Science, Development Studies, Economics, Electrical (Electronics) Engineering, Electrical Engineering, Electrical (Power) Engineering, Electrical (Telecommunication) Engineering, English, Electronics, Earth Sciences, Environmental Sciences, Food Science and Nutrition, Geophysics, Geology, Mathematics, Mechanical Engineering, Media and Communication, Physics, Psychology, Software Engineering, Telecommunication Engineering, Telecommunication & Networking, Statistics

Doctor of:

Pharmacy

Bachelor of:

Architecture, Business Studies, Design, Fine Arts, Interior Design

Master of:

Business Administration Executive (2 years), Computer Science, Development Studies, Economics, English, Mathematics, Public Administration

Graduate Programs

Master of:

Business Administration (1.5 yrs)

Master of Science in:

Banking and Finance, Biochemistry and Molecular Biology, Bioinformatics, Biotechnology, Biosciences, Chemistry, Chemical Engineering, Civil Engineering, Computer Science, Computer Engineering, Conflict, Peace and Development, Cyber security, Development Studies, Earth Sciences (Applied Geology/Applied Geophysics), Economics, Electrical Engineering, Environmental Engineering, Energy and Environmental Engineering, English (Linguistic & Literature), Environmental Sciences,

Health Informatics, Information Security, International Relations, Management Sciences, Mathematics, Mechanical Engineering, Meteorology, Microbiology and Immunology, Molecular Genetics, Molecular Virology, Pharmacy, Physics, Project Management, Remote Sensing and Geographic Information System, Software Engineering, Statistics

PhD in:

Biochemistry and Molecular Biology, Biosciences, Biotechnology, Computer Science, Chemistry, Chemical Engineering, Computer Engineering, Development Studies, Electrical Engineering, Environmental Sciences, Mathematics, Management Sciences, Meteorology, Microbiology and Immunology, Molecular Genetics, Pharmacy, Physics, Statistics

Academic Achievements

CUI ranked among top 800 world best universities

In TIMES Higher Education (THE) World Universities Rankings 2020, CUI has been placed among 601-800 world best universities, and ranked 2nd in Pakistan. Besides, it was also ranked at #251-300 in THE Engineering & Technology, #301-400 in Computer Science and Business and Economics, #401-500 in Physical Sciences and #501-600 in Life Science subject rankings 2020. CUI was also placed at 149th in THE Asian University Rankings 2020, 159th in THE Emerging Economies University Rankings 2020 and was ranked among 151-200 top young universities of world in 2020. In addition, CUI was ranked among 801-1000 world best universities as per QS World Universities Rankings 2021. Besides, it was ranked 151st in QS Asian Universities Rankings 2020.

THE University Impact Rankings 2020

CUI improved its position and was ranked 2nd in Pakistan and at 221 in world in THE University Impact Rankings 2020. CUI was ranked in 15 SDGs out of 17. These are:
1. SDG 1 No Poverty 101-200
2. SDG 3 Good Health and Wellbeing 401-600
3. SDG 4 Quality Education 301-400
4. SDG 5 Gender Equality 401+
5. SDG 6 Clean Water and Sanitation 74=
6. SDG 7 Affordable and Clean Energy 101-200
7. SDG 8 Decent Work and Economic Growth 35=
8. SDG 9 Industry, Innovation and Infrastructure 301-400
9. SDG 11 Sustainable Cities and Communities 201-300
10. SDG 12 Responsible Consumption and Production 201-300
11. SDG 13 Climate Action 101-200
12. SDG 14 Life Below Water 101-200
13. SDG 15 Life on Land 101-200
14. SDG 16 Peace, Justice and Strong Institutions 301-400
15. SDG 17 Partnerships for goals 301-400

Award of Laptops

44 students received the latest laptop machines with specifications enabling them to be used both as a computer and as well as a notepad during 2019-20 under the Prime Minister's Scheme. In addition, an Internet device was also the part of the package.

Launching of Programs at CUI, Lahore Campus

During the reporting period, one undergraduate program of Pharm. D. Program has been launched in the Department of Pharmacy in Fall 2019. Pharmacy Council of Pakistan granted permission for initiating this program.

Establishment of Food Science and Nutrition Laboratory

The Department of Biosciences, CUI Sahiwal Campus has established new Food Science and Nutrition (FSN) Laboratory. Campus Director, Prof. Dr. Saleem Farooq Shaukat inaugurated state-of-the-art FSN laboratory on February 26, 2020. He said that provision of such state-of-the-art facility to the students would enhance their creative and technical skills.

Establishment of CNC Lab

Evolving from the numerical control (NC) machining process which utilized punched tape cards, CNC machining is a manufacturing process which utilizes computerized controls to operate and manipulate machine and cutting tools to shape stock material e.g., metal, plastic, wood, foam, composite, etc. into custom parts and designs. While the CNC machining process offers various capabilities and operations, the fundamental principles of the process remain largely the same throughout all of them. The basic CNC machining process includes the following stages:
➢ Designing the CAD model
➢ Converting the CAD file to a CNC program
➢ Preparing the CNC machine
➢ Executing the machining operation

The newly Established CNC Lab was inaugurated by Worthy Rector CUI during his visit to CUI, Sahiwal Campus on August 27, 2020.

Establishment of Epigenetics and Crop Improvement Laboratory

To better understand the potential role of epigenetics in the crop improvement, a Research lab named "Epigenetics and Crop Improvement Laboratory" has been established in the Department of Biotechnology, CUI, Abbottabad Campus. This lab includes an "Automated Climate Control Room" which has enhanced the ability of the researchers of the Department of Biotechnology and Campus to grow plants under optimum/controlled conditions. Additionally, the lab is equipped to conduct molecular analysis related to different aspects of abiotic plant stress responses like DNA methylation mechanism, gene expression analysis etc.

Number of graduates and PhD's produced

Till August 31, 2020, CUI has produced more than 69,000 graduates and 411 PhDs. During the reporting period, 7512 graduates were produced besides 111 PhDs.
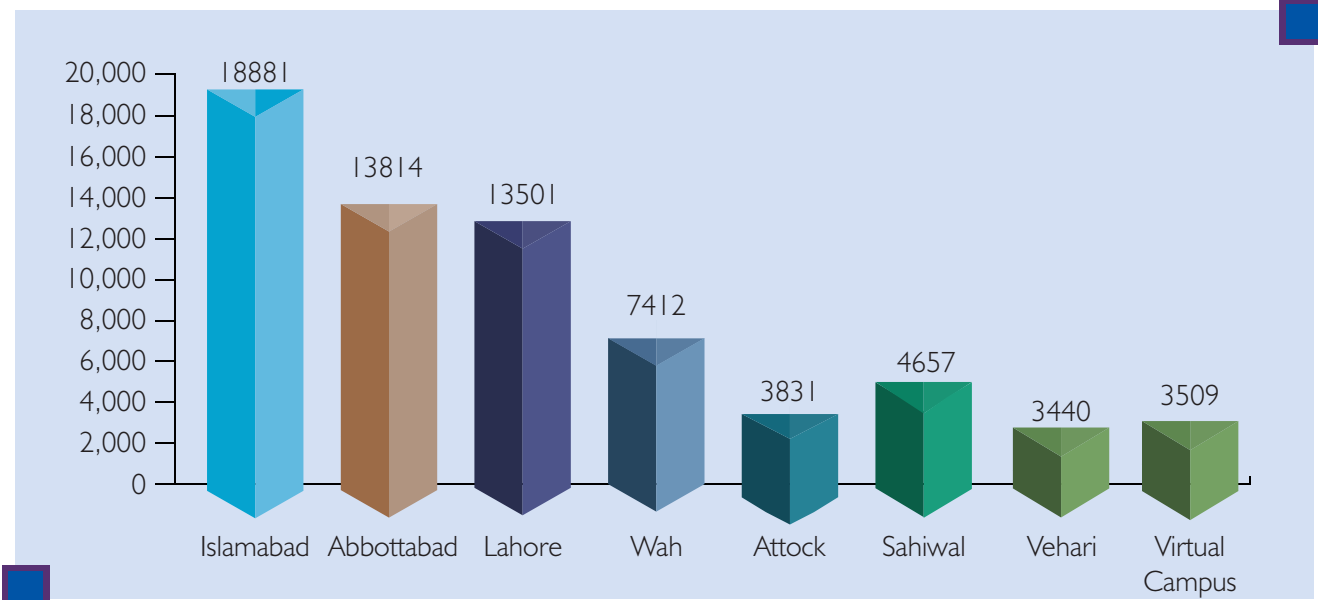
Foreign Academic Linkages

Establishing foreign academic linkages has gained paramount significance over the years. Identifying and exploring the various areas of collaboration such as joint research, student and faculty exchange, joint conferences, and other academic activities has become one of the key areas for educational institutions. The International Office promotes collaboration and partnership with foreign as well as local institutions of higher learning, corporate bodies and other relevant organizations with the aim to establish sustainable collaborations for joint research that generates synergies and provides solutions to world's problems.

During the reporting period, 8 international collaborations were established with reputed institutions and organizations from China, and Italy. The list is as follows.

Sr#	Name of Institution
1.	South Central University for Nationalities, China
2.	Tianjin University of Science and Technology
3.	Tongji University China
4.	Tianjin Institute of Industrial Biotechnology Chinese Academy of Sciences
5.	Guangzhou University China
6.	The Abdus Salam International Centre for Theoretical Physics (ICTP)
7.	International Joint Laboratory, Huanghuali University China
8.	Harbin Engineering University, China

In addition to the above, there were 6 International MoUs which were in-process of approval by the Government of Pakistan and 24 active international collaborations with some of the most reputed Universities/institutions during the reporting period. The list of MoUs is provided at Annexure (A).

Institutional Linkages

Commonwealth Shared Scholarships Student Awareness Session at CUI

The International Office CUI, in collaboration with British Council Pakistan organized a Student Awareness Session on "Commonwealth Shared Scholarships" on November 26, 2019. The session was focused on sharing information regarding a range of commonwealth scholarships which are open to Pakistani applicants. This includes PhD, masters, post-doc fellowships. Ms. Khadija Amir was the resource person for the session. She is an environmental specialist with core expertise and qualification in environmental sustainability. Head IO, Mr. Ali Tawab Baloch thanked Ms. Khadija and British Council for conducting the in-depth session for the students. A token of appreciation was presented by him to the guest speaker.

Higher Education Expo Held in Colombo, Sri Lanka

A three-day Higher Education expo organized by EDEX Sri Lanka by the title "EDEX Expo 2020" was held in Colombo, Sri Lanka from January 17-19, 2020. EDEX is Sri Lanka's largest education exhibition and job fair. EDEX Expo offers a unique and most comprehensive platform for the youth to seek, local and overseas tertiary educational opportunities. Under the patronage of HEC, twelve universities from the country participated in this expo; CUI being one of them which was represented by Prof. Dr. Junaid Mughal, Chairman/ In-charge Academics and Mr. Ali Tawab Baloch, Head International Office.

Visits of Foreign Delegations

In order to promote CUI's international profile, the Ambassadors, High Commissioners, Heads of Foreign Delegations and International Agencies are invited regularly to visit CUI. Eminent foreign scholars visiting Pakistan are also invited to deliver lectures and talks to faculty and students. During the reporting period, 40 foreign delegations visited CUI and few of the highlights are given below:

- Prof. Li Zhenyu, Dean, College of Architecture and Urban Planning, Tongji University, China visited CUI on September 12, 2019. Prof. Li was shown the Architecture Department of CUI and witnessed an Art Exhibition on display at COMSATS Art Gallery. A formal meeting with the delegate was chaired by Prof. Samra Mohsin. It was attended by Head, Department of Architecture & Design along-with selected faculty members of the department. Prof. Dr. Li Zhenyu shared the facts, ranking and working of CAUP. He explained how all the architectural research and development of designs created at CAUP are focused on future, green beauty, digital fabrication and protection of world heritage. The delegate called on Rector CUI. Different possibilities of collaboration and future road map of activities jointly conceived by both universities were discussed.

- A High-profile delegation from Yunnan Academy of Social Science visited CUI on September 20, 2019. The Dean Faculty of Science briefed the delegation about CUI. The members also discussed about enhancing the mutual understandings, strengthening the bilateral cooperation and expanding the people to people contacts between Pakistan and China.

- A five member delegation from Chongqing Industry Polytechnic College CQIPC, led by its Vice President Mr. Xu Yi visited CUI Lahore and Islamabad campuses from September 24-28, 2019. The other experts in the delegation were Deans from Faculty of Information Engineering and Faculty of Vehicle Engineering, Chairman Shihao Locomobile Manufacturing Co. Chongqing along with their coordinator Ms. Yang Yin. Various meetings of the delegates were held with CUI officials at Lahore campus for exploring mutual areas to work on. Several growing research areas were also identified for future cooperation.

- On September 26, 2019, H.E Mr. Ihsan Mustafa Yurdakul, Turkish Ambassador to Pakistan visited CUI

Attock. H.E delivered a talk for the Fall 2019 batch of Student Support Center. Dr. Muhammad Abdul Rehman Khan, Director Campus, along with his team members and Head International Office greeted and briefed the honorable ambassador about CUI.

➤ A four-member delegation from University of Kent, UK, came to CUI on October 17, 2019. The delegates had a formal meeting with senior CUI officials. In a presentation, Head IO presented an overview of CUI to the delegates. Dr. Anthony Manning explained about the academic structure of University of Kent. Afterwards, a Talk Session on "Study and Scholarship Opportunities Available at University of Kent was organized". Brief talks were delivered by the visiting officials from the Architecture Department, Engineering Department and Internationalization Department. CUI faculty members participated and took interest in the talks.

➤ The International Office in collaboration with the French Embassy Islamabad organized a student focused event titled "Studying in France" on October 22, 2019. Mr. Sebestian Cartier, Higher Education attaché from Cultural and Cooperation Department of French Embassy was invited as the resource person at the event. Mr. Cartier delivered a very insightful presentation on the wide range of higher education opportunities available in France and explained about various French scholarships, the application and the admission process to the students.

➤ Prof. Dr. Muhammad Abid and Engr. Mohsin Shabbir from Department of Mechanical Engineering attended an international workshop under CPEC chapter held in Harbin Engineering University, China from November 3-9, 2019. This workshop provided excellent opportunities to participants to enhance their technical knowledge and linkages in the field of Marine Information Technology. Joint possibilities were also discussed for funded scholarship for PhD and MS studies for Pakistani students at HEU China

➤ The CUI, Embassy of France and Embassy of German jointly organized Panel Discussion on the most current and pressing global issue of "Climate Change and Security" on November 11, 2019 in CUI. His Excellency Ambassador of Germany to Pakistan Mr. Bernhard Schlagheck was the chief guest of the event.

➤ The Department of Electrical and Computer Engineering, CUI, Wah Campus held an International Seminar on November 15, 2019, delivered by guest speaker, Associate Professor, Dr. Rasheed Hussain from Innopolis University, Russia.

➤ On the sidelines of 3rd Annual Conference of CPEC Consortium of Universities organized by the Higher Education Commission of Pakistan in Islamabad, a seven-member high level delegation comprising of Vice Presidents, Deans, Senior Academics and other representatives from renowned Chinese universities visited CUI on November 20, 2019. CUI linkages with various Chinese universities were highlighted by the Deans. The delegation head appreciated CUI's progress and achievements and expressed keen desire to create a holistic collaboration with CUI in multiple disciplines.

➤ Prof. Qiao Gang along-with 5 team members visited CUI Wah Campus on December 2019 on the invite of Prof Dr. Muhammad Abid to discuss the possibilities of establishment of first of its kind state of the art Research Center regarding Under water acoustic research and Marine Engineering. This was in continuation to Prof Abid's visit as invited professor at Harbin Engineering University for lectures and discussions to bring this area to Pakistan as no MS/BS program exists presently and it has a huge scope to establish department of marine sciences and engineering and CUI can take lead in this. Harbin Engineering University is top ranked in China the world in Marine Engineering.

➤ Dr. Tomonori KAT, Associate Professor, Fukoka Institute of Technology Japan visited Department of Mechanical Engineering CUI, Wah Campus on December 19, 2019. Prof. Abid welcomed guests and gave presentation about the department research interests. A detailed meeting was held with the departmental faculty members who discussed about the possibilities of Graduate students and faculty exchange. Prof. from

Fukoka briefed about their Lab facilities and Research work in the field of Robotics and Pneumatics. He also told about research work of Chinese Bullet Train. He visited departmental Labs and appreciated Lab facilities as state of the art in the region. Further he invited faculty for joint research.

- Ms. Sabine Schultes, a Functional Lead Transport Warehouse Safety at the German multinational pharmaceutical and life sciences company Bayer, visited CUI on December 23, 2019. Ms. Schultes had a meeting with various faculty members of Biosciences and Meteorology department. She explained in detail the need to implement a duly regularized system of safety standards in place to ensure safety of the individuals handling the chemicals especially the shippers and the transporters who come in direct contact with the consignments. She shared her concerns over the lack of mass awareness of safety measures and emphasized that it is a matter of global concern which needs attention. Ms. Sabine thanked the officials for the hospitality provided to her and appreciated a great deal, the positive response from CUI to work together in future.

- A three-member delegation from Coventry University, UK visited CUI, on January 8, 2020. The purpose of the visit was to explore possibilities of cooperation between the two universities. The delegation comprised of Deputy Vice Chancellor (Research), Professor Richard Dashwood; Head School of Computing, Electronics & Mathematics, Professor Damien Foster and Professor of Systems Security at the Institute of Future Transport & Cities, Dr. Siraj Ahmed Sheikh. The Deputy Vice Chancellor expressed willingness to engage in discussions for building a strategic partnership with CUI. Souvenirs were also presented to the delegates by the Rector.

- A delegation from the Business and Law Department of the Manchester Metropolitan University, UK came over during the week of January 20, 2020. Dr. Osman Sadiq Paracha, In-charge, Department of Management Sciences and Dr. Tahir Mumtaz Awan, Assistant Professor met with the delegation. The delegation comprised of Dr. Amna Khan, Senior Lecturer and Mr. Rick Canavan, Faculty Head of International from the Manchester Metropolitan University, UK. The delegation was visiting Pakistan in order to boost collaborative partnerships with Pakistani Universities.

- A 3-member delegation from University of Palermo, Italy comprising of Rector, Dean and Head Data Management and Programming visited CUI on January 29, 2020. The purpose of their visit was to explore possibilities of cooperation and collaboration with CUI. Concrete discussions were carried out between the representatives of both universities to initiate cooperation. After identifying various areas and possibilities to foster linkages it was agreed to start with student and faculty exchange under the Erasmus+ mobility program.

- On January 30, 2020 the International Office in collaboration with the French Embassy in Islamabad and Department of Meteorology held a riveting panel discussion on the 2020 theme regarding Climate Change which was titled "Being Alive" as a part of its main event "The Night of Ideas". A panel of seven, included heads and experts from various governmental and private organizations. His Excellency the Ambassador of France to Pakistan Dr. Marc Bre'ty was invited as the guest of honor. People from various walks of life participated in the event.

- A two-member delegation from Sepuluh Nopember Institute of Technology, Indonesia, visited CUI on January 31, 2020. The delegation was comprised of Prof. Bambang Pramujati, Vice Rector ITS and Dr. Sri Fatmawati, Assistant Professor, Department of Chemistry.

- On March 10, 2020 a 3-member UNESCO delegation visited CUI. The delegation was comprised of Ms. Patricia McPhillips, Director UNESCO Islamabad; Mr. Shahbaz Khan, Director Regional Science Bureau for Asia & the Pacific at UNESCO, Jakarta, Indonesia and Mr. Raza Shah, Science Officer UNESCO. The delegates called on Rector CUI to discuss the progress, future plans and activities of the UNESCO Chair established at CUI, Wah Campus.

> The Coordinator General of Organization of Islamic Cooperation (OIC) Ministerial Standing Committee on Scientific and Technological Cooperation (COMSTECH) Prof. Dr. Muhammad Iqbal Choudhary visited CUI on July 16, 2020. Prof. Choudhary was warmly welcomed by Rector CUI. The formal meeting was attended by the senior management of CUI including the Rector, Registrar, Dean Sciences, Eminent Professors, Director CUI, Lahore Campus/ Executive Director Inter Islamic Network on Information Technology who joined meeting through video link and the Head International Office. Program Officer COMSTECH also attended the meeting.

> A virtual meeting was held with Cultural Affair Office, US Embassy, Islamabad and officials of CUI on July 21, 2020. Ms. Lisa Swenarski, Country Cultural Attaché and Mr. Sharif Sabir, Cultural Affairs Specialist were representatives from US embassy. In the meeting, Rector CUI urged to explore more opportunities for academic cooperation, research collaboration and opportunities of short term up to semester mobilities for CUI students and faculty members to US universities/ institutions with the cooperation of US embassy. It was decided to work jointly and in close collaboration of both entities.

> Besides, H.E. Mr. Bernhard Schlagheck, Ambassador of Germany visited Islamabad Campus on November 11, 2019.

Honors and Awards

CUI is proud of all the people who have brought laurels and joyous moments to the University. During the reporting period, following such members of CUI were bestowed upon with different honors/awards:

> Dr. Shahzad Kouser, Assistant Professor, Department of Economics, Islamabad campus was selected to present her research work "Prediction of Climate Change on Livestock Production in Pakistan" using the latest Artificial Neural Network approach in 2019 DAAD Alumni Seminar organized by University of Gottingen, Germany from September 10-17, 2019. During Alumni Special Project, she also visited renowned organizations like KWS SAAT SE, BIOCARE, etc. She was also trained in debating and online publishing of scientific debate. She also presented her paper "Prediction of Climate Change on Livestock Production in Pakistan" in a poster session of 2019 Tropentag Conference organized by Kassel University, Germany from September, 17-21, 2019.

> Dr. Aneel Salman, former Head of the Department of Management Sciences and currently Head, Department of Economics, Islamabad Campus was invited as an expert to conduct Full-bright PhD interviews at the United States Education Foundation in Pakistan (USEFP) on September 18, 2019.

> American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) Northern Chapter Pakistan organized its 5th Annual Ceremony on November 19, 2019 in which Prof. Dr. Muhammad Abid, Head, Department of Mechanical Engineering, CUI, Wah Campus received the certificate of appreciation for the Best Student Chapter Advisor.

- Dr. Tayyaba Yasmin, Associate Professor, Department of Biosciences, Islamabad campus won the HEC research Project NRPU-8089 entitled "Cisgenic Over-Expression of A Pattern-Ecognition Receptor (Prr) In Tomato To Improve Broad-Spectrum Bacterial Resistance" worth 3.2 million rupees in December 2019.

> Dr. Anjum Rasheed, Centre for Climate Research and Development, Islamabad campus was designated as 'Mountain Ambassador' by DevCOM-Pakistan on December 01, 2019 to bridge the information and action gap among the stakeholders, to emphasize on the need of sustainable development and to plan and manage activities by engaging peer groups, citizens and students.

> Dr Musferah Mehfooz, Assistant Professor, Department of Humanities, CUI, Lahore Campus achieved Research Grant Amount 1 Million on March 2020 as an Independent Investigator from "Sustainable Development Policy Institute" entitled "Predicting the

Violent Behavior in Pakistani Youth Exposed to Community Violence: Moderating Role of Parenting."

- Mr. Nadeem Ghafoor, Assistant professor, Department of Computer Science, CUI, Lahore Campus supervised FYP project titled "Digital Book Repository" won a grant of Rs 200,000/- (Two lac) in DICE Shark competition held on March 6, 2020.

- The Institute of Architects, Pakistan, Islamabad - Rawalpindi Chapter presents the Certificate of Achievement to Ar. Sannah Ejaz, Assistant Professor, Department of Architecture, Islamabad Campus on being awarded 1st place by the Honorable Jury, in the nationwide 'Ideas Design Competition' in collaboration with Sir Syed Memorial Society on July 1, 2020.

- Dr. Iftikhar Zeb, Assistant Professor, Department of Biotechnology, CUI, Abbottabad Campus has been selected for 2020 Master Class Residency Regional Approaches to Air Quality and Environment organized by the United States Embassy in Pakistan on August 11, 2020.

- Dr. Farhad Zulfiqar, Assistant Professor, Department of Economics, Islamabad Campus has been nominated for the 7th Lindau Nobel Laureate Meeting of the Laureates of the Sveriges Riksbank Prize in Economic Sciences which was awarded during the meeting held from August 25-27, 2020 at Lindau, Germany and included interaction with 40-50 Nobel Laureates. The interaction with Nobel laureates is a joint venture of the HEC, PIEAS and the Council for Nobel Laureate Meetings in Lindau, Germany, agreed upon under a formal MoU meant for Pakistani nationals studying or working in Pakistan.

Internationalization Efforts

In the ambit of CUI's internationalization agenda, we open up the world to our students and aspire to widen their horizons. While providing them the international exposure CUI work on developing and grooming their personalities through different regular capacity building talks, training sessions and events. During the reporting year, following main events became a part of this on-going development:

'Studying in France' Session with Higher Education Attaché' French Embassy

The International Office in collaboration with the French Embassy Islamabad organized a student focused on October 22, 2019. Mr. Sebestian Cartier, Higher Education Attaché, Cultural and Cooperation Department of French Embassy was invited as the resource person at the event.

"Commonwealth Shared Scholarships" - Student Awareness Session

The International Office in collaboration with British Council Pakistan organized a Student Awareness Session on November 26, 2019 which focused a range of commonwealth scholarships which are open to Pakistani applicants. This included PhD, masters and post-doc fellowships. Ms. Khadija Amir was the resource person for the session. She is an environmental specialist with core expertise and qualification in environmental sustainability holding a master's degree in Sustainable Development from University of Exeter, UK for which she secured the Commonwealth Shared Scholarship.

International Students

During Fall 2019 to Spring 2020, a total of 148 international students joined CUI in undergraduate and postgraduate programs from 13 different countries mainly from Afghanistan, Benin, Canada, China, Gambia, Iraq, Nigeria, Sri Lanka, Kenya, Sierra Leone Somalia, Sudan and USA etc. Most of these students are enrolled in Electrical Engineering, Mathematics, Meteorology, Management Sciences, Physics, Pharmacy, Environmental Sciences, International Relations and Bio-sciences departments.

Exchanges/Mobilities

International mobilities have always remained as effective tools employed by CUI to give its academics the firsthand opportunity to witness different academic and cultural environments and simultaneously experience and appreciate different people living in a foreign country with its distinctive features.

Unfortunately, the year 2020 saw the outbreak of the Corona virus. The emerging global health situation had a disastrous impact on international travel and education. In Turkey, the Mevlana Exchange program was cancelled all together while European universities did not accept new mobilities under Erasmus+ program for the Fall 2020 term. Hence the number of mobilities availed by CUI were very limited to the once that had proceeded abroad before the outbreak of the virus. These included following seven students who went on fully funded Erasmus+ program. CUI, like everyone else, looks forward to an early end to the pandemic so that international mobilities could start once again and help CUI reap the benefits of international exchanges.

#	Name	Program	Institution attended
1.	Saad Khan	Bachelor of Architecture	Middle East Technical University
2.	Junaid Shahab Qadri	Bachelor of Architecture	Middle East Technical University
3.	Duaa Arshed	Bachelor of Architecture	Middle East Technical University
4.	M. Ammar Jahangeer	Bachelor of Science in Electrical Engineering	Istanbul Sehir University
5.	Qanita Haseeb	Bachelor of Science in Computer Engineering	Istanbul Sehir University
6.	Muhammad Asim	Bachelor of Science in Electrical Engineering	Istanbul Sehir University
7.	Tooba Khalid	Bachelor of Science in Electrical Engineering	Istanbul Sehir University

Establishment of Consortium of Universities

Keeping in view the importance of internationalization and increased interdisciplinary research and teaching interests, an initiative is taken by the following four best universities in the region to work jointly and work under a consortium.

➤ Ajman University (AU) UAE
➤ Applied Sciences University (ASU) Bahrain
➤ COMSATS University (COMSATS) Pakistan
➤ Prince Sumaya University for Technology (PSUT) Jordan

Keeping in view the common strengths and research interests in different disciplines of each university, following five clusters are proposed to proceed:

1. Artificial Intelligence (AI) Research Cluster   AU, ASU, COMSATS, PSUT
2. Business Management (MB) Research Cluster   AU, ASU, PSUT, COMSATS
3. Teaching and Learning (T&L) Research Cluster   AU, PSUT, COMSATS
4. Non-Linear Dynamic Systems (NLDS) Research Cluster   AU, PSUT, COMSATS
5. Smart Architectures (SA) Research Cluster   AU, COMSATS

Under the guidance and all facilitation of Rector CUI, Dean, Faculty of Engineering with the help of Head International Office has established this consortium and focal persons nominated as already started working in their clusters to benefit the scientific communities.

Chapter 02

Research and Development

An Overview

The mission of CUI meshes very well with its strategic aim for developing a knowledge economy benefiting socio-economic environment in the country. To fulfill its idea, the Office of Research, Innovation and Commercialization (ORIC) was established in 2011 with the aim of linking university research directly with educational, social and economic priorities of CUI and its broader communities. The ORIC slogan is "'Creating Endless opportunities by transforming research into prosperity."

The ORIC at CUI operates with the following Terms of Reference:
- Enhancing research culture
- Promoting inter/cross disciplinary research
- Building university-industry linkages
- Inculcating entrepreneurship among researchers
- Generating intellectual property through research, innovation and commercialization
- Establishing technology/innovation/business parks
- Catalyzing technology transfer through spin off companies and licensing
- Augmenting capacity building of research/corporate community

During the last few years, the progress of ORIC is rapidly improving. Especially in term of Research Projects, Travel Grants to faculty members, patents, holding of international Conferences and publication of research papers in notional and international journals by the faculty of CUI through different funding agencies. During the reporting period 2019-20, total of 120 research projects were completed and 21 were approved with 78 research projects under consideration for approval. In 2019-20, total of 2148 impact factor publications have been recorded in national/international journals by the faculty of CUI, 10 Travel Grant applications and 02 Seminar Workshops application were submitted to different funding agencies out of which 01 Travel Grant and 02 seminar workshops have been approved.

Operations of Office of Research, Innovation and Commercialization (ORIC)

Faculty members at CUI are actively engaged in research in their respective fields. There are around 129 enrolled companies at its Student Start Up Business Center (SSBC) till date, and presently incubated across SSBC's are 42. 30 companies at Cubator1ne and over 48 companies have graduated from Cubator1ne.

During the reporting period, following activities were carried out through ORIC:

CUI Research Grant Program (CRGP)

The ORIC at CUI undertook diversification of CUI's research portfolio by identifying and submitting research proposals to multi-faceted national and international funding agencies. A Guide to Research Grant Programs of National and International Funding Agencies was developed and distributed amongst CUI faculty and researchers. In order to attract young faculty into the research mainstream, a CUI Research Grant Program (CRGP) is in place to award grants up to Rs. 300,000/- for research proposals of 1-2 years period. In 2019-20 under this program, 86 research proposals were received. The same have been evaluated by the reviewers and considered by the authorized committee for decisions.

Research Projects

The research projects at CUI are carried out through different funding agencies. The research projects/proposals approved, completed and in-process during the reporting period are as follows:

Approved Research Projects 2019-20

Sr#	Funding Agency	No. Projects	Amounts
1.	National Research Grant Program for Universities HEC	11	40.31
2.	Startup Research Grant Program HEC	3	1.48
3.	Pakistan Science Foundation	3	8.55
4.	PSF Pak China Joint Research Grant	1	4.21
5.	International Foundation for Science	2	4.06
6.	Asia-Pacific Network for Global Change Research(APN-GCR)	1	10.84
	Total	21	69.45

Completed Research Projects 2019-20

Sr#	Funding Agency	No. Projects
1.	Startup Research Grant Program HEC	52
2.	National Research Grant Program for Universities HEC	50
3.	NESCOM Research Grant	4
4.	Pak US Joint Research Program	2
5.	Pak France Joint Research Program	1
6.	Pak China Joint Research Program	2
8.	Pakistan Science Foundation	3
9.	UBIOME, INC California USA (Industry)	1
10.	Thematic Research Grant Program	4
11.	Pakistan Programme for Collaborative Research HEC	1
	Total	120

Research Projects in Process 2019-20 (under Review at Funding Agencies)

Sr#	Funding Agency	No. Projects
1.	PSF (General Research Grant)	24
2.	International Foundation for Science	9
3.	Pak-Turkey Mobility Grant	8
4.	HEC Expression of Interest	5
5.	National Center for IoTs Grants	5
6.	PCST Science Technology & Innovation	4
7.	Pakistan Agricultural Research Council (PARC)	3
8.	Innovative & Collaborative Research Grant (ICRG) - HEC	3
9.	National Rural Support Programme	3
10.	Endowment Fund KPK	2
11.	Government of the Punjab Planning & Development Board	2
12.	HEC IPFP	2
13.	Asia-Pacific Network for Global Change Research (APN-GCR)	1
14.	Department of International Development UK	1
15.	Establishment of ICA HEC	1
16.	Ignite National Technology	1
17.	NESCOM Research Grant	1
18.	PERIDOT Pak-France Joint Research Grant HEC	1
19.	Technology Development Fund HEC	1
20.	The European Union's Erasmus Programme	1
	Total	240

Intellectual Property Rights

Intellectual Property (IP) Rights is of paramount importance in order to protect inventor's rights and produce research that is aimed to provide full innovation and commercialization. CUI has developed in-house capacity to provide IP support to its researchers and file patent applications locally and internationally. Also filed 84 patents for registration out of which 29 (21 US, 08 Pak) are granted. CUI also provided trainings on understanding IP Rights and Patenting to researchers from many universities.

ORIC-Professional Development (PD)

ORIC-PD is a flagship program of the ORIC at CUI whose goal is equipping professionals with modern knowledge and skills which are favored by leaders of different professions and exposing the faculty to industry needs in training and development. Our workshops contain an excellent combination of lectures, discussion, and hands-on training to ensure learning is maximized. The over-arching objective of the program is to expose CUI faculty to practical application of knowledge through direct interaction with practitioners.

A number of training activities for professionals in a broader areas ranging from High Performance Team Culture, to Managing & Engaging Stakeholders in Construction & Civil Infrastructure development projects, for doctors and practitioners Principles and Applications of Magnetic Resonance Imaging (MRI), Similarly for university researchers and in order to cater to the needs of the industry areas like Technical Requirements of ISO 17025 accreditation, Drug Discovery and Development, Data Analysis for Next Generation Sequencing (NGS), furthermore for social sciences and health sciences researchers we organized Data analysis using AMOS, SmartPLS, working with SATA and programing language R.

ORIC-PD has also taken new initiative of offering in-house training workshop to different universities and industry. In-house training allows the organization to train many its researchers & staff in a cost-effective way. Recently ORIC-PD organized an in-house training on "Implementation of ISO 17025; An Assessor's Perspective". At National Institute of Oceanography (NIO), Karachi.

It is worthwhile mentioning that over 1000 industry professionals, researchers, faculty members and experts have benefitted from ORIC-PD training workshops and activities till now. During the reporting period, following trainings were organized under ORIC- Professional Development Program:

➢ A 2-day workshop on Structural Equation Modeling Using SmartPLS 3.0 on October 16-17, 2019

➢ A 2-day workshop on Digital Marketing Trends 2020 and beyond on November 27-28, 2019

➢ A 2-day workshop on Hands-on Data Analytics Using R on February 18-19, 2020

➢ One day workshop on Structural Equation Modeling using SmartPLS 3.0 on February 21, 2020

Research Publications

CUI has witnessed a continuous rise in the research publications since 2005. This speaks volumes of the magnitude of research being done by the faculty of the institute. Until December 2019, 14,000 research papers have been published by CUI faculty whereas during 2019 the number stands at 2,714. A summary of the published research papers is provided below:

Year	Publications
2008	183
2009	378
2010	383
2011	707
2012	603
2013	940
2014	907
2015	1263
2016	1515
2017	2003
2018	2324
2019	2714
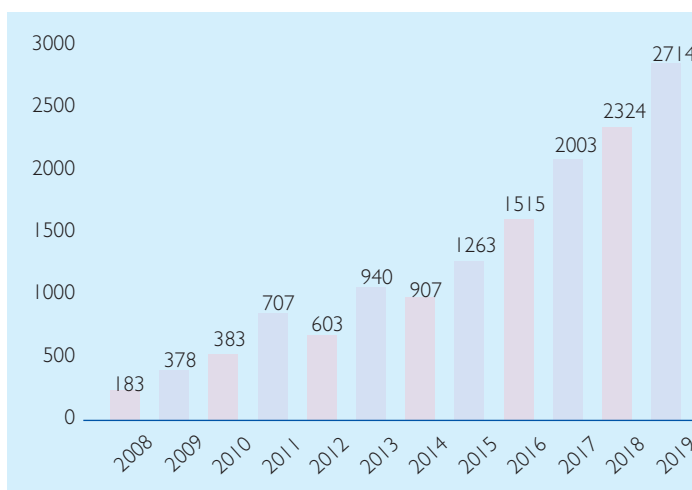
Interdisciplinary Research Center at CUI Wah

Interdisciplinary Research Center at CUI Wah has delivered excellently well in terms of more than 40 publications, 2 International projects from USAID, NCSF, Consortium and largest Industrial projects with HIT, POF and others.

Research Output of the Department of Chemical Department in 2020

The Department of Chemical Engineering (ChE) has crossed the barrier of 100 research publications (106) in the year 2020. The highest number of publications by any Chemical Engineering Department in Pakistan. This is a tremendous achievement made possible by the hard work of our MS and PhD students under 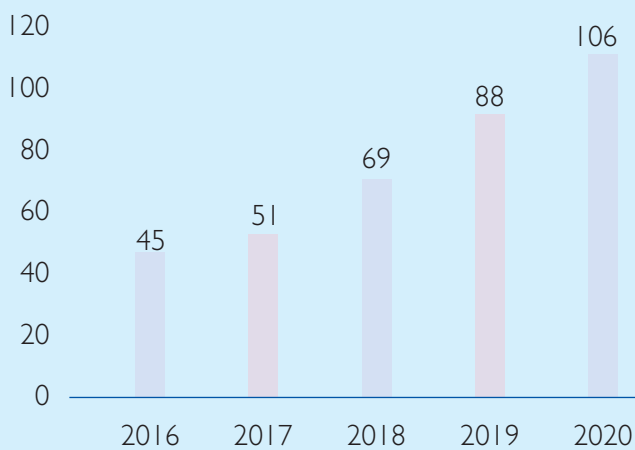supervision of faculty members. These feats are one of the reasons why our graduate programs stands out in international arena. Under the leadership of our Dean/Prof. Dr. Muhammad Abid, our department is also very active for collaboration with industry to promote the applied research.

Chart (publications by year):
- 2016: 45
- 2017: 51
- 2018: 69
- 2019: 88
- 2020: 106

Activities of Inter Islamic Network on Information Technology (INIT)

The Inter Islamic Network on Information Technology is an independent, autonomous and self-governing entity. Its secretariat is located at Directorate P&D and HRD, CUI. During the FY 2019-20, INIT convened 9 international/national events under its different programs. The events included an international workshop on 'ICTs for Development: Mainstreaming the Marginalized' convened on January 28 - 29, 2020 at Islamabad, Pakistan. INIT had already convened two editions of this very successful workshop series earlier at Islamabad in 2016 and 2017 respectively. This was the 3rd edition of this workshop. It

focused on steps needed for the development of a sustainable policy for provision of simple, realistic and implementable technologies that could make a life changing difference for the marginalized community. The workshop was attended by 92 delegates representing 51 institutions from Pakistan and United Kingdom.

In November 2019, INIT convened an International Conference on the subject of 'Agriculture, Biotechnology and Food Security: Role of ICTs' at Monastir, Tunisia. The conference emphasized on the importance and role of information technology and its associated systems in enhancing agriculture productivity, elimination of hunger, improving nutrition and achieving food security. The conference also highlighted the new developments and interventions of IT in the field of Agriculture, Biotechnology and Food Security. The Conference was participated by over 36 delegates representing 37 institutions from 23 countries i.e. Algeria, Bangladesh, Benin, Cameroon, China, Egypt, Gambia, Iran, Iraq, Italy, Jordan, Kazakhstan, Nigeria, Norway, Oman, Pakistan, Philippine, Senegal, Sri Lanka, Sudan, Tunisia, Turkey and Uganda.

During the said period, INIT also conducted two Webinars. The first Webinar was conducted on the subject of 'Digital Accessibility in a COVID-19 World' on June 26, 2020 at International Telecommunication WSIS Forum 2020. The webinar was convened in collaboration with UNESCO Chair in ICTD, COMSATS University Islamabad and Ministry of Information Technology and Telecommunications, Pakistan. A total of 7 panelists from 3 countries contributed in elaborating the need for digital accessibility in the fields of education, employment and affordability for the most marginalized communities. A total of 54 participants from around the world were present in the Webinar. An important and immediate achievement of this Webinar came in form of an announcement of 'Project

Pakistan' by Opti Key which will provide free open source software and hardware devices to at least 100 persons with physical impairments in Pakistan in collaboration with INIT and CUI, Islamabad. The second Webinar was convened on the topic of 'Changing Attitudes of Men towards Women and Technology' on August 24, 2020 at WSIS Forum 2020, Geneva, Switzerland. The session showcased and validated the findings of the joint research conducted by INIT, UNESCO Chair in ICT4D and CUI, Islamabad to better understand men's' attitudes and behaviors towards women and technology in Pakistan.

The INIT in collaboration with Pakistan Disabled Foundation also convened a 'Forum on ICT Needs for Persons with Disabilities (PWDs)' at International White Cane Safety Day on October 15, 2019 at Islamabad, Pakistan. The forum comprised of three sessions, focusing on Real Life Accounts of PWDs, Impact of Digital Pakistan Policy on PWDs and Development of Urdu Language Screen Reading Software for the Visually Impaired. The event was attended by over 100 participants from 43 organizations working for PWDs hailing from all over Pakistan.

In another initiative, INIT in collaboration with National Skills University and Pakistan Disabled Foundation organized a consultation session on 'Skill Development Using Technology for PWDs' at International Day of Persons with Disabilities on December 3, 2019 at National Skill University Auditorium, Islamabad, Pakistan. The consultation focused on understanding employability issues faced by PWDs and how technological tools can bridge such issues. The event was attended by 75 participants representing disability groups from all over Pakistan.

The INIT along with UNESCO Chair in ICT4D in support of the Global EdTech Hub being created by DFID and World Bank conducted 'Field Visits to Rural Schools in Tharparkar' on February 2-3, 2020. During these field visits, a total of 8 schools were visited. Interviews of 15 teachers and 60 students were conducted mostly hailing from most marginalized communities in rural Sindh to provide guidance and consultation to implementation partners on the launch of Global EdTech Hub. In a similar event, the INIT in collaboration with UNESCO Chair in ICT4D conducted 'Focus Groups on Women in Technology for Preparation of Guidance Notes for International Telecommunication EQUALS and TEQtogether Initiatives' from January 7 - February 7, 2020 in Islamabad, Hyderabad, Mirpur and Karachi. A total of 12 focus groups comprising of 130 participants were conducted in universities, technology firms and civil societies to develop policy guidance notes

facilitating women employability in the technology sector.

The INIT also convened Regional Consultation on 'ICTs for Development: Mainstreaming the Marginalized' on February 03, 2020 at Jamshoro, Pakistan. The forum was convened in collaboration with University of Sindh, CUI, Islamabad and UNESCO Chair in ICTD. It was attended by over 40 delegates representing 12 institutions including PWDs, representatives of rural communities in Sindh and minority leaders.

The above events convened by INIT during the FY 2019-20 were attended by around 610 delegates representing approx. 150 institutions from 24 countries. INIT provided an excellent medium of networking, sharing knowledge and expertise, and engaging into collaborative activities for the academics, researches, scientists, entrepreneurs and experts in the areas of ICTs, Agriculture, Biotechnology, Food Security, Digital Accessibility and Inclusive Technologies etc. Further details are available at www.init.org.pk.

Conferences, Seminars, and Workshops

Conferences, Seminars, and workshops are the major source of gathering new information and to exchange ideas on the trends in research, upcoming technologies, and much more. It is also a platform to network with the 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 community at large. The detail of the important ones held during the reporting period is given below:

Islamabad Campus

Urban Thinkers Campus, 2020

"Urban Thinkers Campus, 2020" was hosted by the Faculty of Architecture & Design in collaboration with World Urban Campaign (WUC), UN Habitat and COMSIAN Consulting from September 4-6, 2019.

Capital Cities: New Cities/Visionary Master planning

The 2nd ARCASIA (Architects Regional Council Asia) international urbanism conference & roundtable in collaboration with Institute of Architects Pakistan & Faculty of Architecture & Design, hosted at CUI on September 5-6, 2019.

Do You Know Your City?

The said Seminar was hosted by ADA (Architecture Design Arts) & Faculty of Architecture & Design at CUI, September 6, 2019.

Workshop of Global Navigation Satellite Systems (GNSS)

A workshop was organized by Prof. M Abid (Dean FoE & Dir IRC) at CUI Islamabad Campus from November 7-9, 2019 regarding latest trends on Global Navigation Satellite Systems under USAID funded project. Workshop was attended by researchers, officials and faculty members of related departments including Pakistan Meteorology Department, Ministry of Climate Change, SUPARCO, Institute of Space Technology, COMSATS University departments from different campuses including CCRD, MET, High Mountain Research Centre, DEE and DME; Agriculture University Faisalabad, RS and IGIS department of Arid Agriculture University Rawalpindi, University of Engg. and Tech. Peshawar, Korakaram International University, Gilgit Baltistan, Univ of Sakrdu, Gilgit Baltistan, Env. Sci. Dept. Quaid-i-Azam University Islamabad, Nuclear Institute of Agricultural Biology, Electrical and Mechanical Engineering Departments of COMSATS University and others. This was observed a very useful workshop for the researchers who have related knowledge in GNSS. Prof Rui Fernandes was the Trainer from Potugal as expert by USAID

Traditional Arts Vs. Modern Art; Reciprocity and Dichotomy

Academic Lectures and Talks were hosted by the Department of Art & Design, CUI in conjunction with Islamabad Art Festival 2019 (IAF 19) from November 18 – 26, 2019.

Workshop on Management Framework Project Integration Management Plan

Mr. Riffat Abbas Rizvi, Assistant Professor delivered a lecture on Management Framework and Project Integration Management Plan on October 17, 2019 at the Project Planning Management Institute of Pakistan. Government officials and members of civil society organizations were the participants of the said workshop.

Roundtable Discussion on Health and Environment

The Centre for Policy Studies (CPS) in partnership with the Hanns Seidel Foundation (HSF) organized a Roundtable Discussion on "Health and Environment" on the October 24, 2019 at CUI. The resource persons at the Roundtable included Dr. Faheem Tahir, National Institute of Health; Dr. Ejaz Ahmad Khan, Health Services Academy; Dr. Anjum Rasheed, Centre for Climate Research & Development; and Dr. Jabir Syed, Meteorology Department, CUI. The Roundtable was moderated by Dr. Imran Syed, Head, CPS.

Roundtable Discussion on Women Development

The CPS organized a Roundtable Discussion on "Women Development" on November 28, 2019 at CUI. The expert participants at the discussion included Ms. Shahla Tabassum, Assistant Professor/In charge, Gender Studies, Fatima Jinnah Women University; Ms. Sarwat Sughra, Technical Advisor on Gender, FATA Development Programme, Ms. Sadaf

Dar, Programme Officer, Gender & Development, Rural Support Programmes Network and Dr. Imran Syed, Head, CPS.

Seminar on Awareness and Management of Parthenium Weed

Center for Climate Research and Development and Center for Agriculture and Bioscience International organized seminar on November 25, 2019 at Islamabad Campus.

Awareness Regarding Opportunities, Education & Culture in China

COMSATS Mathematical Society, Department of Mathematics, Islamabad campus organized a very successful seminar regarding "Study in China" on December 05, 2019. The mentioned seminar was highly appreciated by the faculty and staff of the Department of Mathematics.

Roundtable Discussion on Management of Natural Resources after 18th Constitutional Amendment

CPS held a Roundtable discussion on December 12, 2019. The Roundtable was moderated by Dr. Imran Syed, Head CPS, and the participants included Mr. Mahboob Elahi, former Director General, Ministry of Climate Change; Syed Mahmood Nasir, Former Inspector General of Forests, Ministry of Climate Change; Dr Manzoor Ahmad Malik, Director (Hydrology); Mr. Zia Ul Islam, National Programme Manager, National Ozone Unit, Ministry of Climate Change; Ms. Itrat Zahara, Ministry of Inter-Provisional Coordination and Dr. Anjum Rashid, Assistant Professor, CCRD, CUI.

Seminar on Current Practices of Islamic Banking in Pakistan

A seminar was arranged on Current Practices of Islamic Banking in Pakistan on December 13, 2019 under the supervision of Dr. Sabeen Khurrum, Assistant Professor. The Guest Speaker invited was Mr. Zulqarnain Haider, Head Shariah Product Development, Meezan Bank Limited.

17th International Conference on Frontiers of Information Technology FIT 2019

The 17th International Conference on Frontiers of Information Technology (FIT'19) was held from December 16-18, 2019 at COMSTECH Secretariat, Islamabad, Pakistan. It is the seventeenth consecutive year that CUI organized this prestigious event. This year, the theme of the conference is "Artificial Intelligence for Economic

Development". International speakers from Australia, Austria, France, Japan, Netherlands, Russia, UK, Iran and USA participated in FIT-2019. Prof Dr. Atta-ur-Rehman, a distinguished international academician and researcher, graced the event as Chief Guest and delivered the keynote address.

Session on Air Quality Research or Other Environmental Pollution Issues

Department of Meteorology, Islamabad Campus arranged the session on January 15, 2020 which was hosted by Prof. James Schauer, Director of the Wisconsin State Laboratory of Hygiene, University of Wisconsin-Madison and Ellen Connorton Senior Science Advisor for the U.S. Department of State Bureau of South and Central Asian Affairs.

Talk Session on Algebra

Dr. Sohail Iqbal, Assistant Professor, Department of Mathematics arranged a talk on Algebra on February 06, 2020 at Islamabad Camus. Prof. Dr. Sarwar Jahan Abbasi was the speaker.

Talk on Women in Mathematics

The Department of Mathematics organized a talk titled as Women in Mathematics on February 11, 2020. Prof. Dr. Khalida Inayat Noor was the Convener of the talk session.

CPS Seminar on CORONA Virus; "COVID 19 and the Nexus between Global and National Health Governance: Policy Prescriptions for Addressing Pandemics"

The CPS, CUI arranged a seminar on the March 12, 2020 at the Video Conference Hall, Junaid Zaidi Library. The seminar addressed the very important policy area of addressing COVID 19 by drawing on existing knowledge on

epidemics/pandemics and new knowledge that has become available on this serious public concern for Pakistan. The expert speakers included: Dr. Mumtaz Ali Khan, Senior Scientific Officer & National Focal Person for Infection Protection Control, National Institute of Health (NIH); Dr. Farah Sabih, National Professional Officer IHR, WHO; Dr Ejaz Ahmad Khan, Associate Professor, Health Services Academy, Islamabad and Dr. Imran Syed, Head, Centre for Policy Studies, CUI.

COVIDESIGN E-Talk Series

The Department of Art and Design, Islamabad Campus initiated a COVIDESIGN e- talk series, which brought leading art and design experts from around the world to engage with students in an online series of talks, where they share their expertise and enlighten students with their vast knowledge. The talk series was held on June 25, 2020 and the speaker was Mr. Andreas Duspohl, Director of International Newspaper Museum in Aachen, Germany. He talked live from Germany about the Birth of Newspaper and the Media Revolution after Gutenberg.

Wah Campus

CPD Activity on Manufacturing and Testing of Composite Materials

Department of Mechanical Engineering, CUI, Wah Campus arranged the Continuous Professional Development workshop of semester Fall 2019 on September 26, 2019 approved by Pakistan Engineering Council titled "Manufacturing and Testing of Composite Materials". Eng. Imran Ghumman from HITEC University, Taxila was the invited keynote speaker. 145 participants including Students, Faculty and Industrial Professionals from Bestway Cement, Farooqia Cement and Heavy Mechanical Complex, Taxila attended the workshop.

Seminar - Personality, Well-Being and Good Health

The Department of Management Sciences, CUI Wah Campus organized a seminar on October 28, 2019. The guest speaker, Dr. Rukhsana Sheikh, Senior Consultant/health practitioner talked on important issues and avoiding harmful activities like Obesity, Short Sleeping hours, Lack of Exercise and Excessive use of Social Media causing psychological distress among students.

Seminar on Teradata SQL Assistant, Apachi Ambari

A seminar on "Teradata SQL Assistant, Apachi Ambari" was arranged on October 30, 2019 by the Department of Computer Science, CUI, Wah Campus with the aim to introduce enhanced features of Teradata SQL. The speaker highlighted Apachi Ambari platform which provides open source management solutions of handling unstructured data. The speaker also discussed the case studies of Telenor user's data and explained how the data is generated, stored, transformed and processed in the Tera Data for better analytics.

Seminar - A Journey from Vehicular Networks to Vehicular Clouds and Vehicular Social Networks: Solutions and Challenges

The Department of Electrical and Computer Engineering, CUI, Wah Campus hold an International Seminar on November 15, 2019, delivered by guest speaker, Associate Professor, Dr. Rasheed Hussain from Innopolis University, Russia.

Visio Spark 2019

17th Episode of Visio Spark 2019, a National Level Mega IT Competition Event, organized by the Department of Computer Science in collaboration with the Department of Electrical and Computer Engineering, CUI Wah Campus held on November 23, 2019. More than 2000 students from 40 universities participated in 16 different competitions/activities.

Seminar - Network Function Virtualization

The technical seminar was organized by the Department of Electrical and Computer Engineering at CUI, Wah Campus on December 18, 2019. The distinguished speaker Director of Graduate Education/IEEE Fellow, Prof. Ahmed E. Kamal Iowa State University, USA, addressed on new advancement in Telecommunication the Network Function Virtualization.

Workshop on Augmented Reality

A workshop titled "Hello AR" was carried out by Department of Computer Science, CUI, Wah Campus on January 29, 2020 powered by TESSERACT Solutions Pvt. Ltd Islamabad. The purpose of this workshop was to allow the students to get familiar with the trending technology of Augmented Reality and study the tools which are essential to create rich and affluent AR experiences. The attendants acquired hands on experience with using industry standard tools like Autodesk Maya and Unity3D Real time Engine for AR Development.

Lahore Campus

7th Pak-China Business Forum- Industrial Expo- 2019

It was held on September 2-4, 2019 at Lahore Expo Center for promoting knowledge-driven cooperation in businesses and technology transfers through University - R&D - Industry collaborations for mutual benefits of Pakistan and China. It was a joint venture of CUI with Federation of Pakistan Chambers of Commerce & Industry (FPCCI) and Everest International Ltd. The Forum comprised of thematic sessions, and display of innovative products and machinery by the exhibitors both from Pakistan and China. The Federal Minister for Science and Technology Mr. Fawwad Hussain Chaudhary graced the inaugural sessions of the Forum and Expo. It was attended by many industrialists, entrepreneurs, educationists, students and general public. This was a high-profile event as a group of the Chinese Exhibitors and local industrialists also called on the Prime Minister of Pakistan at Governor House Lahore apprising him the importance and significance of the Forum and Expo- 2019 in the wake of CPEC and Pakistan China relations.

Seminar - Regulating Risk in Islamic Finance

The Department of Management Sciences, CUI Lahore Campus arranged this seminar on October 07, 2019. Dr Humayon Dar, Director General of the Cambridge Institute of Islamic Finance and Dr. Jamshed Anwar Chatta, Assistant Secretary General of Islamic Financial Services Board were the main speakers.

Seminar – How to Prevent Crimes Using Earthquake

CUI, Lahore Campus arranged the said seminar on October 23, 2019. Prof Dr. Marco Abate, Vice Chancellor and Professor of Mathematics, University of Pisa Italy was the speaker on the seminar.

Seminar – Intellectual Property Rights

CUI, Lahore Campus arranged a seminar on November 21, 2019.

2nd International Symposium on Advanced Energy Material: Production to Storage (ISAEM 2019)

Interdisciplinary Research Centre in Biomedical Materials, CUI Lahore Campus, organized the event on December 10, 2019.

Open House Session on Islamic Finance

Center of Islamic Finance organized an open house session on July 23, 2020 in collaboration with Department of Management Sciences for prospective students of the 6th semester of Bachelor of Science in Business Administration to join Islamic Finance specialization. A renowned trainer, Mr. Ahmad Ali Siddiqui Director (CEIF) IBA Karachi, SEVP and Head Product Development and Shariah Compliance Meezan Bank Limited delivered the lecture through Zoom Cloud.

7th International Symposium on Biomedical Materials

Interdisciplinary Research Centre in Biomedical Materials, CUI, Lahore Campus arranged the Symposium on December 11-12 2019. The symposia of this series focused on Prospects and Potentials, Current Research and Future Signposting, Recent Advances and Challenges, Translational Research and Commercialization, Clinical Requirements & Regulatory Affairs, and Synergizing Partnerships, Promoting interdisciplinary research and development in Biomedical Materials and allied areas.

Abbottabad Campus

One-day Capacity Building Workshop on Islamic Finance

Abbottabad chapter of Center for Islamic Finance (CIF) based at CUI, Lahore Campus in collaboration with State Bank of Pakistan organized a one-day capacity building workshop on Islamic Finance on September 25, 2019, at CUI Abbottabad Campus for Sharia Scholars of Hazara region. Renowned Shariah scholar Qazi Abdul Samad who is also a resident Sharia Advisor of Bank of Khyber and an International trainer conducted the workshop. The workshop was attended by around 50 leading Sharia

scholars from different schools of thought.

TechFest Fall 2019

The Department of Electrical and Computer Engineering CUI, Abbottabad Campus organized students' projects/posters exhibition on October 19, 2019. Different industries/organizations visited the said event. Various ideas, proposals, projects were presented by the students in the said exhibition.

6th International Conference on Drug Development- Natural & Synthetic

Centre for Advanced Drug Research CUI, Abbottabad Campus organized the said Conference from November 29-30, 2019. The theme was Current Approaches and Emerging Trends for the Development and Discovery of Drugs.

1st International Workshop on Recent Trends in Electric Machine Design

The Department of Electrical and Computer Engineering, CUI, Abbottabad Campus conducted workshop from November 29-30, 2019 to the participants on JMAG tool and its applications.

Workshop on Scientific Writing by COMSATS Chemical Society (CCS)

The CCS, Department of Chemistry, CUI, Abbottabad Campus successfully organized its first technical event regarding Workshop on December 5, 2019.

Two Days National Workshop on Research Methodology in Chemical Sciences (Spectroscopy and Structural Analysis) RMCS-2020

The Department of Chemistry, CUI Abbottabad Campus organized the workshop on February 24 -25 2020. Prof. Dr. Mujaddad Ur Rahman, Vice Chancellor Abbottabad University of Science and Technology, graced the occasion as a chief guest.

5th Global Forum on Islamic Economics, Finance and Banking at UMT Lahore

Dr. Abdus Sattar Abbas, Head CIF chaired a session on "Economic Empowerment through Islamic Social Finance" on March 12, 2020 in UMT Lahore during 5th Global Forum on Islamic Economics, Finance and Banking.

Sahiwal Campus

Seminar on Counseling on Skill Ladder and Career Path

The Seminar was held at CUI, Sahiwal Campus on December 11, 2019. Mr. Zafar Iqbal, IT Expert from Canada talked with students and enlightened them that how they can approach international market after completing graduation.

Seminar on Collective Action for Knowledge Economy

CUI, Sahiwal Campus arranged a seminar on January 14, 2020. Prof. Dr. Muhammad Nawaz, Izaz-e-Fazeelat, Pride of Performance, Meritorious Professor Emeritus, Former Vice Chancellor UVAS delivered the lecture to the faculty members.

Digital Sahiwal 2020

Digital Sahiwal 2020 powered by e-Rozgaar was held at Sahiwal Arts Council on February 14, 2020. Commissioner Sahiwal, Mr. Muhammad Ahsan Waheed and Director CUI, Sahiwal Campus Prof. Dr. Saleem Farooq Shaukat were the chief guests of the ceremony.

Vehari Campus

Workshop on Applied Econometrics Using Stata

Center of Research and Development of Management Sciences arranged the two-day workshop on Applied Econometrics using Stata from September 23-24, 2019 for the graduate students of Management Sciences.

ICSET 2019, International Conference on Sustainable Environmental Technologies

Department of Environmental Sciences, CUI, Vehari Campus arranged the international conference on December 05, 2019. Dr. Gabriela Alandia Robles from University of Copenhagen shared her experience and work with audience and presented her keynote talk on the topic of "Reducing the environmental impact of meat consumption by providing plant protein as an alternative food". The Chief Guest: Prof. Dr. Robina Farooq, Vice Chancellor, Govt. College Women University Faisalabad addressed on importance of environmental sustainability for our future generation.

Chapter 03

Quality Assurance

Quality Enhancement Cell (QEC)

CUI's leadership is keenly committed for the enhancement of quality standardization and has assigned top priority in making CUI a top-class university in the world's horizon. CUI is committed to serve the nation with the aim of satisfaction and to maintain internationally standardized higher educational academic and research pursuits in the CUI system. For achieving this task all stakeholders contributed with academic and research excellence for meeting the national and international educational standardization and Quality Assurance in all programs as per Higher Education Commission (HEC) guidelines. The Quality Enhancement Cell (QEC) has played a pivotal role to pursue for achieving the high standards and Quality Assurance pre-requisites.

By establishing the QEC in the year 2006 CUI management realized the fact that quality is an integral component in higher education and research as a strategic imperative, CUI manifested its progressive mission continuously, and since then, has taken bold initiatives to attain, manage and enhance quality at the institutional level in all cadres of the Institute's management in both academic and administration. For making CUI a quality-centric institution, the QEC has undertaken various quality assurances based assignments and achieved highest "W" category at national level from HEC in Yearly Progress Report (YPR) continuously from the last 07 years (2012 to 2019) and amicably cultivated the quality culture at all levels in CUI system.

Impact of Quality Assurance in the University

Quality Assurance and Assessment Process (QAAP)

The Self-Assessment process at the institutional level involves the Assessment Team, QEC and the concerned department whose academic program has to be evaluated and reviewed. Till June 30, 2019, QEC has evaluated all 195 academic programs offered at all campuses and successfully achieved the HEC target of completing 100% programs assessment at CUI. For the year 2019-20, HEC had given the target of completing the second assessment cycle of 25 % programs across all campuses which was not completed due to COVID-19, now QEC will complete the target by June 2021.

Self- Institutional Performance Evaluation (IPE) of CUI by QEC

In 2018, HEC provided the revised criteria of QECs evaluation and included Self-IPE on annual basis. QEC initiated Self-IPE in all campuses as per the revised evaluation criteria. In this regard a campus-based University Portfolio Report (UPR) has been prepared by each campus on eleven standards covering the elements Mission and Goals, Planning and Evaluation, Organization and Governance, Integrity, Faculty, Students, Institutional Resources, Academic Programs and Curricula, Public Disclosure and Transparency, Assessment & Quality Assurance and Student Support Services. The Self-IPE activity is meant to ensure that all academic and administrative parameters and systems are focused to provide quality education at the institutions. The practice of data collection from all campuses of CUI and then its submission to HEC is an annual activity. In 2019 QEC

conducted Self-IPE exercise in all campuses and completed the target for the year 2019. During 2020 the IPE activity could not be conducted due to Corona Pandemic

MS and PhD Programs Review

HEC took the initiative of starting MS and PhD Progress Review Process to ensure the quality of doctorate level education. In 2019 the review of 100 percent of MS and PhD programs across all campuses was accomplished and its report was submitted to HEC. The detail of programs is as below:

#	Campus	No. of MS Programs	No. of PhD Programs
1.	Abbottabad	15	8
2.	Attock	5	0
3.	Islamabad	23	11
4.	Lahore	10	7
5.	Sahiwal	4	0
6.	Vehari	4	0
7.	Wah	5	3
	Total	66	29

Higher Education System (HES) Ranking Data

In August-September 2019, QEC successfully collected and consolidated the higher education data of all campuses and submitted to Statistical Unit of Higher Education Commission. This information is required for the National University Ranking and based on this data, HEC makes the budget allocations for the Universities.

Participation in Decision Making Through Statutory/Non-Statutory Bodies

QEC being member of all statutory and non-statutory bodies, has contributed in all meetings of Board of Studies, Board of Faculties and relevant forums and has provided significant input on the quality of academic programs, courses and scheme of studies, as well as contributed in preparation of new academic programs. QEC has provided feedback in the overall processes and practices of quality assurance in CUI system.

Participation in Intercontinental QAA Meetings, Training Workshops, Symposium, Conferences and Seminars

During 2019, QEC officials participated in national and international events related to Quality Assurance and enhancement and contributed through presenting papers and presentations at these forums. These activities have vital role for obtaining QEC highest "W" Category and recognition at both national and international level.

During 2019-20 all national and international events were suspended due to COVID-19; however, few online workshops/seminars were conducted by HEC and other universities in which QEC team participated.

Participation in National Events

➢ To discuss emerging issues related to data compilation of "online readiness" an online meeting of MD-QAA with heads of all QECs on MS Team was conducted on June 1, 2020, the In charge QEC along with his team participated in the meeting and raised our concerns and issues.

➢ Senior Program officer participated in online workshop organized by Newports Institute of Communications and Economics on the "Quality Assurance Through Accreditation & Its Missing Elements" on August 24, 2020

Membership of Associations/Networks

Renewal of CUI memberships in all related Networks/Associations is in process. QEC has maintained CUI's membership of International Associations/Networks, dealing with the quality of education, for promoting the quality culture and research that is at par with the international quality assurance standards. These networks include:
➢ Association of Quality Assurance Agencies of the Islamic World (AQAAIW)
➢ International Network for Quality Assurance Agency in Higher Education (INQAAHE)
➢ Asia-Pacific Quality Network (APQN)
➢ CHEA International Quality Group (CIQG)
➢ International Association of Universities (IAU)

Accreditation of Academic Programs from Relevant Councils

The QEC team extends its support in accreditation process

of academic programs when asked by the concerned department during the visit of accreditation council. The accreditation of programs is being done at the department level at the university. The departments get themselves accredited from their relevant accreditation bodies and QEC provide all type of facilitation in this process. Total numbers of accredited programs of all campuses are 43. The Engineering programs are accredited by Pakistan Engineering Council. While Management Sciences programs are accredited by National Business Education Accreditation Council(NBEAC) and Pharmacy Programs by Pharmacy Council of Pakistan(PCP). The Computer Science programs are accredited by National Computing Education Accreditation Council(NCEAC). Department of Architecture and Design programs are accredited by Pakistan Council for Architects and Town Planners (PCATP).

Visit to COMSATS University Islamabad: Focus Group Discussion to Assess the Teaching & Learning Practices in the Pakistani HEIs

Pak UK Education Gateway Program, Higher Education Commission in coordination with British Council hired the services of consultancy firm "Advance HE" to Review the Governance and Teaching Practices across the Higher Education sector in Pakistan through Surveys and focused group discussions. In this regard, Advance Higher Education consultants on "Teaching & Learning" (Barbara Dexter) came to Pakistan along with her team and visited CUI on November 19, 2019. QEC, arranged the visit of Barbara Dexter which included meetings with Rector, Deans, Heads, Faculty and Students. The QEC team also elaborated the Quality Assurance mechanism being practice at CUI and role of QEC in promoting the quality culture across CUI system.

Feedback/Review/Consultation of Pakistan National Quality Policy (PNQP) by QEC

The Ministry of Science & Technology (MoST) invited a review of Pakistan National Quality Policy (PNQP) via letter to CUI. QEC reviewed the document and provided valuable recommendation and feedback. The QEC CUI appreciated the extra ordinary efforts of the Ministry of Science and Technology for the revised Pakistan National Quality Policy 2019, keeping in view of current global trends. The MoST depicted the futuristic vision for improved Quality Standards in Pakistan for trade and economic growth in next five years through Pakistan National Quality Policy. QEC CUI thoroughly reviewed the document and gave some valuable recommendations on

the following points/items:
- Government Sector Initiatives
- Private Sector Initiatives
- Education and Training

Nationwide Rollout of Higher Education Data Repository (HEDR)

CUI participated in the activity of HEC QAA team in roll out of the HEC's HEDR Initiative & for devising an effective and transparent methodology for evaluating universities on online readiness, universities in delivery of online teaching/courses.

CUI submitted the University Online Readiness data on HEC's HEDR portal on June 6, 2020. CUI was placed at No. 27 in the HEC's Universities list for online readiness with an overall aggregate score of 97.19 %, CUI scored 100% in seven university readiness parameters out of total eight parameters.

i.	University Readiness	100%
ii.	Course Readiness	100%
iii.	Technology Readiness	100%
iv.	Library Readiness	100%
v.	Student Readiness	100%
vi.	Evaluation Readiness	100%
vii.	Laboratory Readiness	100%

In this regard CUI took the following actions for online learning during COVID-19 situation:

CUI Virtual campus started to enhance the coverage of quality online higher education to its students during the Covid-19 Pandemic in accordance with the guidelines provided by the HEC. The coverage of CUI's online education was 100% with its students. CUI rated amongst top ranked universities of the country and known for its progressive and innovative learning approach. Based on its vision CUI has established substantial online instructional capabilities.

CUI provided uninterrupted and quality online education across all CUI campuses with more than 90% attendance of the students. CUI has set itself the goal of making quality online education available to all its students in various parts of Pakistan and is very close to the completion of its goal.

Student Readiness Survey

CUI Conducted a Student Survey. Accordingly 12,233 Responses came in from CUI students. A ray of questions was asked from students in the survey regarding Availability of Internet, Connectivity Issues, and Quality of Online Education.

Joining of New In-Charge QEC

CUI, being a public sector university is imparting standardized quality education meeting the international standards of higher education in Pakistan in seven cities with fully quality conscious operational campuses. CUI is committed to total institutional satisfaction by implementing international Quality standards in educational practices at all levels with highest priority. The Quality Enhancement Cell of CUI is now fully dedicated to strengthen Quality Assurance (QA) processes and implement Quality Enhancement (QE) processes that would help establish, sustain and enhance academic richness, quality-centricity, innovative research, scholarship opportunities and exemplary administration for national & international standards. Working in teams with all stake holders in CUI system is a key element to implement quality enhancement strategies as per future needs for productive outcomes and national and international ranking. Mr. Fayyaz Hussain, Additional Registrar assumed the charge of QEC on August 24, 2020, earlier he was working as Incharge HR section CUI Principal Seat Islamabad. Mr. Fayyaz Hussain is the pioneer member of Registrar Office, who was involved in the establishment of Quality Enhancement Cell at CUI.

Visit of Coordinator General COMSTECH, Islamabad Campus

with Federal Minister for Education & Professional Training

Chapter 04

Faculty Development

Human Resource Development

Investing in human resources, more precisely in the faculty and staff under the Human Resource Development Program (HRD) has been a flagship initiative at the COMSATS University Islamabad (CUI). The CUI is running one of the largest HRD Programs among the public and private sector universities in Pakistan second only to the one run by Higher Education Commission (HEC). The Directorate of Planning, Development and Human Resource Development (P, D and HRD) has been entrusted with the responsibility to administer the CUI HRD Program.

Under the auspices of the HRD Program, the CUI has invested generously in human resource development and provided opportunities to its faculty in universities abroad to pursue MS and PhD level studies. During the preceding decade and half, over three hundred and sixty (360) fully funded scholarships have been awarded to the faculty/staff to allow pursuing higher studies in high ranking universities of the world. Among them over 150 MS and near 200 PhD scholars have successfully completed studies and are serving CUI as dynamic faculty members. These scholarships were awarded through meritorious criteria open to candidates those serving already or willing to serve CUI upon completion of studies.

In order to encourage its faculty/staff to secure scholarship funding from alternate sources, necessary facilitation has been provided to the faculty/staff through granting them ex-Pakistan leave. The alternate sources included those arranged through institutional arrangements agreed between the CUI and other universities and funding agencies. The cohort benefiting from such facilitation comprised of over 750 scholars. Among them, 290 scholars have completed their studies while over 450 scholars are pursuing their studies abroad. During the year 2019-20, near 50 scholars proceeded abroad to pursue studies on alternate sources of funding.

The choice of subjects for candidates placed abroad was aligned with the University's long-term priorities and the scholars remained under a keen vigil of the management and senior academics for their performance. Getting quality education, exposure to cutting-edge research, prospects of strengthening linkages with universities abroad and the scholars taking up productive work immediately upon their return back were the guiding principles. The efforts have paid dividends. Today, the CUI proudly boasts of having excellent intellectual ensemble of around 1100 PhDs in its faculty/staff corps.

As part of preparing candidates to be able to compete for the overseas scholarships, the Directorate of PD and HRD initiated the program 'Information Seminars for Higher Studies Abroad' in 2016. Under the program series of informational & motivational seminars/meetings are conducted for information of the prospective candidates intending to proceed abroad for higher studies. Around 60 of such events have been organized as of this date, out of which 13 events were organized during the reporting period.

The HRD Program of the CUI has turned out as a nationally acclaimed Program which has successfully played a vital role in overall development of the University and enhancing its research ranking. The Directorate of PD and HRD believes that there still appears an opportunity to venture forward through expanding HRD plans/activities. The statistical profile of the HRD Program is given below:

Scholars Studying Abroad

Category	#	Description	CUI		Others*		Total	
			MS	PhD	MS	PhD	MS	PhD
Year -Wise Placement of Scholars Abroad	1.	2003				1	0	1
	2.	2004		3		1	0	4
	3.	2005		19		3	0	22
	4.	2006	35	18	1	6	36	24
	5.	2007	44	13	1	15	45	28
	6.	2008	42	31	1	17	43	48
	7.	2009	20	19	13	16	33	35
	8.	2010	4	21	11	24	15	45
	9.	2011	4	24	3	63	7	87
	10.	2012	4	21	6	49	10	70
	11.	2013	2	22	1	38	3	60
	12.	2014	6	8	9	53	15	61
	13.	2015	1	3	8	81	9	84
	14.	2016			13	79	13	79
	15.	2017			10	89	10	89
	16.	2018		1	2	63	2	64
	17.	2019			1	39	1	39
	18.	2020				5	0	5
		Sub Total	162	203	80	642	242	845
		Total	365		722		1087	

Category	#	Description	CUI	Others*	Total
Campus	1	Abbottabad	60	116	176
	2	Attock	8	47	55
	3	Islamabad	161	208	369
	4	Lahore	83	143	226
	5	Sahiwal	10	93	103
	6	Wah	36	74	110
	7	Vehari	7	41	48
		Total	365	722	1087
Program Wise Breakup	1	MS	162	80	242
	2	PhD	203	642	845
		Total	365	722	1087
Gender Wise Breakup	1	Male	297	615	912
	2	Female	68	107	175
		Total	365	722	1087
Country Wise Breakup	1	Australia	1	31	32
	2	Austria	5	21	26
	3	Brunei		2	2
	4	Belgium		1	1
	5	Canada		4	4
	6	Chile		1	1
	7	China	31	156	187
	8	Cyprus		1	1

Category	#	Description	CUI	Others*	Total
Campus	9	Czech Republic		2	2
	10	Denmark		4	4
	11	Estonia		1	1
	12	Finland	9	5	14
	13	France		26	26
	14	Germany	2	48	50
	15	Hong Kong		3	3
	16	Iceland		1	1
	17	Ireland		7	7
	18	Italy	1	21	22
	19	Japan		2	2
	20	Korea		5	5
	21	South Korea		61	61
	22	Saudia Arabia		7	7
	23	Malaysia	14	116	130
	24	Maxico		1	1
	25	Netherlands	1	10	11
	26	New Zealand		15	15
	27	Norway		9	9
	28	Oman		1	1
	29	Poland		3	3
	30	Portugal		2	2

Category	#	Description	CUI	Others*	Total
Campus	31	Qatar		2	2
	32	Russia		1	1
	33	Romania		3	3
	34	Sweden	16	38	54
	35	Singapore		1	1
	36	Switzerland		1	1
	37	Spain		9	9
	38	Thailand		5	5
	39	Turkey	2	6	8
	40	Taiwan		2	2
	41	UAE		1	1
	42	UK	206	58	264
	43	USA	77	28	105
		Total	365	722	1087
Subject Wise Breakup	1	Architecture	4	6	10
	2	Biosciences	24	28	52
	3	Chemical Engineering	6	43	49
	4	Computer Science	49	103	152
	5	Chemistry		2	2
	6	Civil Engineering		7	7
	7	Development Studies		11	11
	8	Humanities	4	5	9

Category	#	Description	CUI	Others*	Total
Subject Wise Breakup	9	Electrical Engineering	153	243	396
	10	Environmental Science		27	27
	11	Economics	5	4	9
	12	Management Science	61	143	204
	13	Mechanical Engineering	5	1	6
	14	Mathematics	27	43	70
	15	Pharmaceutical Science	2	11	13
	16	Meteorology	2	4	6
	17	Physics	23	41	64
		Total	365	722	1087
Source of Funding Wise Breakup	1	CUI	365		365
	2	Alternate Source of Funding		625	625
	3	Self-Finance		97	97
		Total	365	722	1087

Scholars Joined Back the CUI Post Completion of their Studies (2019-2020)

Category	#	Description	CUI	Others*	Total
Campus	1	Abbottabad		8	8
	2	Attock		1	1
	3	Islamabad		6	6
	4	Lahore		7	7
	5	Sahiwal		12	12
	6	Wah	1	9	10

Category	#	Description	CUI	Others*	Total
Campus	7	Vehari		4	4
		Total	1	47	48

Faculty

As a result of the opportunities provided by the CIIT for faculty development, the number of young PhD faculty is increasing. Out of 2787 faculty members, 1139 are PhD holders, 1110 have MS/MPhil degree while remaining 538 are sixteen years degree holders. During the reporting period, the designation-wise breakup of faculty is follows:

Designation	Islamabad	Abbottabad	Wah	Lahore	Attock	Sahiwal	Vehari	Virtual Campus	Total
Professors	27	10	1	6	0	1	0	0	45
Associate Professors	39	29	13	31	0	1	2	0	115
Assistant Professors	395	207	61	242	59	50	66	0	1080
Lecturers	268	178	77	176	57	76	75	26	933
RA/TAs	58	15	12	27	9	11	22	10	164
Total	787	439	164	482	125	139	165	36	2337

*2337+450 on study leave=2787

Faculty Development Academy

Faculty Development Academy (FDA) has been working on professional development of CUI faculty as well as non-faculty of all its eight campuses since October 2011. Over the past eight years, FDA has launched diverse programs of trainings at different times of the year and for different levels. FDA has earned its name through nurturing a culture of teacher training and professional growth of admin personnel in the country. It has designed multiple training modules for CUI's faculty and admin officers and staff allowing flexibility in terms of employees' status, placement, nature of current job and requirements for progression up the ladder. Following is the summary of workshops organized by the FDA during the year 2019-2020.

In-Service Trainings: During the reporting period, following in-service trainings were organized by FDA to broaden the skills set of the faculty/officers/staff members:

➢ **Professional Discourse for Admin Personnel:** A week-long workshop was conducted for admin officers (OG-I & II) in CUI, Abbottabad Campus during the last week of September 23-27, 2019. There were three sessions a day and each session were of 90 minutes duration. Multiple themes were presented by different renowned resource persons, each entailing lively interaction and hands-on-activities. The objective was to enhance participants' personal and professional capacities, make them feel empowered for self-exploration and growth.

➢ **Career Enhancement Workshop for Admin Personnel:** A 'Career Enhancement' workshop was organized for admin professionals (OG-II) during November 11-15, 2019 at CUI, Islamabad Campus. They were 27 in all. Incharge, FDA welcomed and shared the objectives of the workshop, its linkage with retention and progression up the ladder as a career. Eminent scholars / professionals were engaged to illuminate the group, unleash their potential enabling them to utilize their capabilities and assume leadership role. At the end evaluation was conducted and an open dialogue was arranged.

➢ **'Capacity Building' Workshop for SG Employees:** FDA organized another week-long workshop for Staff Grade Personnel (SG-III-IV) on 'Capacity Building' from November 18-22, 2019 at CUI, Abbottabad Campus. It was a first chance for 50 SG level employees to attend a refresher course. They felt very excited and involved. Their current job

requirements and future aspiration were considered, and an effort was made to build their confidence, refine communication skills, office procedures and practices besides self-development. Their feedback revealed the degree of their learning, satisfaction and commitment for self-regulated learning in future.

> **One-week 'Career Enhancement' Program for SG-III & IV:** A week-long Training Program was organized for 33 Employees of SG-III and IV grade at CUI, Islamabad Campus during December 16-20, 2019. The objectives of the program were shared with the group and inspirational speakers were engaged to build their personal and professional competencies.

> **3-day workshop on 'Strategic Leadership for Academic Leaders':** A 3-day workshop was conducted during the second week of February 10-12, 2020 at Islamabad Campus. Thirty-six educational leaders from different departments attended the workshop. The major objectives of the workshop included strengthening the interconnectedness among the leaders and an alignment between their personal and organizational goals. Fostering a flavor of experiential learning as the core tenet of the workshop, the group was exposed to the art and craft of building high performance teams, academic counseling performance management vs. performance measurement and establishing 'Future-Proof Departments' in a competitive environment besides employees' resolution to stay on time and track. Employees' engagement beyond satisfaction was also discussed. The group appreciated the topics, resource persons and the management a lot for contribution.

> **7-day Career Enhancement Program for SG-III & IV (Batch-II):** The last workshop of first quarter of the year 2020 was a '7-day Career Enhancement Program'. There were two sessions a day and 20 SG-III & IV employees from different departments attended it. As expected, the themes of the workshop revolved around the participants' personal and professional growth, current job requirements and next step Promotion-related expectations. At the end FDA recoded glowing feedback for its hard work.

In addition, following seminars were also arranged for the students of CUI:

> **Seminar on 'Social Media:** An Addiction': FDA organized a one-day seminar on 'Social Media: An Addiction'. Dr. Mohsin Zahid, an international facilitator conducted the seminar, involved the young students and helped them realize the intensity and influence of the addition of little gadgets, its ethical and philosophical implications including phantom vibration syndrome. It was a soul-searching session that made participants realize the degree of their addiction and its repercussions on their studies and lifestyle.

> **Seminar on 'Moral Values:** An Ignored Dimension': A special seminar was conducted for a large group of students hailing from different departments of CU Islamabad Campus on December 18, 2019. The topic was 'Moral Values: An Ignored Dimension' and Mr. Tahir Choudhri, a distinguished motivational speaker acted as the resource person. Each participant was engaged to explore the purpose of his/her life, parental expectations, societal norms and prevalent moral and cultural values while polishing their image as Vicegerent of God and a self- fulfilling responsible person. The session ended with a heart-felt commitment for taking charge of one's life and becoming healthy, responsible and fully grown-up citizens of Pakistan.

Accomplishments of International Faculty

CUI today is well placed to push more aggressively its internationalization strategy to consolidate the past and present gains and to build on them by further uplifting the quality of teaching, research, and public impact. International faculty members make invaluable contribution through their own unique world views, work ethics, humanitarian concerns as well as teaching methodologies, approaches to finding solutions to emerging research problems, and making indelible societal impact.

Some of the notable achievements of international faculty working in CUI are given below:

#	Name/ Department/ Campus	Number of Research Publication	Number of Graduate Students Supervision	Other Salient Achievements
1	**Prof. Dr. Mais Suleymanov,** Ex-Advisor, Department of Physics, CUI.	Journal (IF) Published = 25 Submitted = In Process = Conference Published = Submitted = In Process = 1	PhD = MS = 2 (Co-advisor)	➢ Online master class lecture for the students and teachers of Baku State University. 17.05.2020 ➢ Online oral talk in the International Conference "NUCLEUS2020", 12.10.2020
2	**Ms. Juliane Eick Aziz,** Assistant Professor Department of Architecture, CUI Lahore Campus.	Journal (IF) Published = 0 Submitted = 0 In Process = 0 Conference Published = 0 Submitted = 0 In Process = 0	BS = 1	➢ "CROSSOVERS" National Group Exhibition at Alhamra Art Gallery Lahore, Curated by Ali Raza Exhibited six drawings of "My Invisible Cities"-series together with works by 19 artists from Pakistan. ➢ "Sonar Screen" Public Installation at IAPex Lahore 2020, in Collaboration with Talha Muftee The Sonar Screen was the execution of the first prototype in Pakistan for real-time interactive architecture through algorithmic design and sensor-driven robotics ➢ "Affordable Art Fair" at the Department of Architecture, CUI Lahore Ideated, curated and managed the first of its kind art fair at university. The exhibition included the exhibition and sale of personal artwork of students and faculty, and encouraged the dialogue between colleagues and students

#	Name/ Department/ Campus	Number of Research Publication	Number of Graduate Students Supervision	Other Salient Achievements
				➢ PR campaign of the newly made "Department of Architecture" (DA), under the guidance of HoD Waqar Aziz Set up and maintained: ➢ DA-Facebook page ➢ DA-Instagram page ➢ DA-Twitter page, ➢ and DA-ISSUU page Maintain the posting of news and updates from the Department, as well as interesting student works ➢ Core Team member for Admissions Fall 2020, together with HoD Waqar Aziz, Nabah Ali Saad and Shajeea Shuja ➢ Designed, revised and adjusted multiple Departmental templates during the Online Phase of Teaching (due to COVID-19), such as Interview Schedule for Admissions Fall2020, Assessment Form for Admissions Fall2020 used by all DA faculty during admissions interviews Fall2020), Grading Sheets for External Reviewers, and many more. ➢ Maintained the Semester Calendar for the Department of Architecture throughout the semesters, easing the coordination of student work-reviews, workshops, as well as important departmental and official university dates. ➢ Being the creator of the Departmental Course Award List, I gave continued support to faculty in maintaining and adjusting their respective Course Award

#	Name/ Department/ Campus	Number of Research Publication	Number of Graduate Students Supervision	Other Salient Achievements
				Lists, additional to the university's CUOnline system
3	**Dr. Kaneez Rabia,** Assistant Professor Department of Physics, CUI	Journal (IF) Published = 01 Submitted = In Process = 02 Conference Published = Submitted = In Process = 1	PhD = 0 MS = 0 BS = 1	
4	**Dr. Yasser MSA Alkahrman** Assistant Professor Department of Pharmacy, CUI Abbottabad Campus	Journal (IF) Published = 07 Submitted = 05 In Process = 03 Conference Published = 01 Submitted = In Process =	PhD = 01 MS = 02	➤ File patent to ORIC office COMSATS University Islamabad ➤ Awarded NRPU project in 2019 with total amount Rs 2.1 M ➤ Acquired PAK Patent 2019
5	**Ms. Katherine Louis Sipra,** Scientific Officer, Department of Biosciences, CUI	Journal (IF) Published = Submitted = 01 (Soil acidity and biodiversity in Margalla Hills National Park, Islamabad, Pakistan)	PhD = MS =	➤ Completed DNA extraction and purification of snow leopard scat samples

| #	Name/ Department/ Campus	Number of Research Publication	Number of Graduate Students Supervision	Other Salient Achievements
6	**Dr. Sharieh Hosseini Nasab,** Associate Professor, Department of Architecture, CUI Lahore Campus	Journal (IF) Published =2 Submitted = 1 In Process = 2 Conference Published = 2 Submitted = 1 In Process = 2	PhD =N/A MS =N/A	➢ Principal Investigator of International research project titled 'Pan-Com Neighborhoods' approved and hosted by Oxford Brookes University, UK. (Submitted for funding to Marie Curie fellowship) ➢ Member of Prime Minister's Task Force for Affordable Housing (CUI representative) and collaborating regularly. ➢ Organizing and curating a National Exhibition at CUI Lahore on showcasing 33 neighborhood design projects by CUI students in Lahore. Exhibition inaugurated by Chairperson of PM's Task Force for Affordable Housing. ➢ Organizing and leading an International Design Review at Department of Architecture, CUI Lahore and inviting leading architects from five countries including Spain, Lebanon, Iran, Turkey and India. ➢ Public lecture for International seminar series at Persian Gulf University, Iran. Title: Urban Resilience to Pandemics; Lessons form COVID-19.

Chapter 05

Access

Student Enrollment

CUI started its journey in 2000 with just 277 students. Since then, its enrollment is on up rise which is a clear indication of education standards at its campuses. During the reporting period, the students enrolled at CUI were 34,010. The Islamabad Campus led with 10,146 students followed by Lahore Campus 7,155, and Abbottabad Campus with 5,718 students. The intake during the reporting period at CUI campuses is tabulated below:

Campuses	Students Intake		
	Fall 2019	Spring 2020	Total
Islamabad	1725	1640	3365
Abbottabad	527	486	1013
Wah	863	376	1239
Lahore	866	861	1727
Attock	521	251	772
Sahiwal	718	215	933
Vehari	480	368	848
Virtual Campus	0	0	0
Total	5700	4197	9897

The degree-wise student enrollment is as follows:

1067
5433
1012
26498

Undergrad   Master   MS   PhD
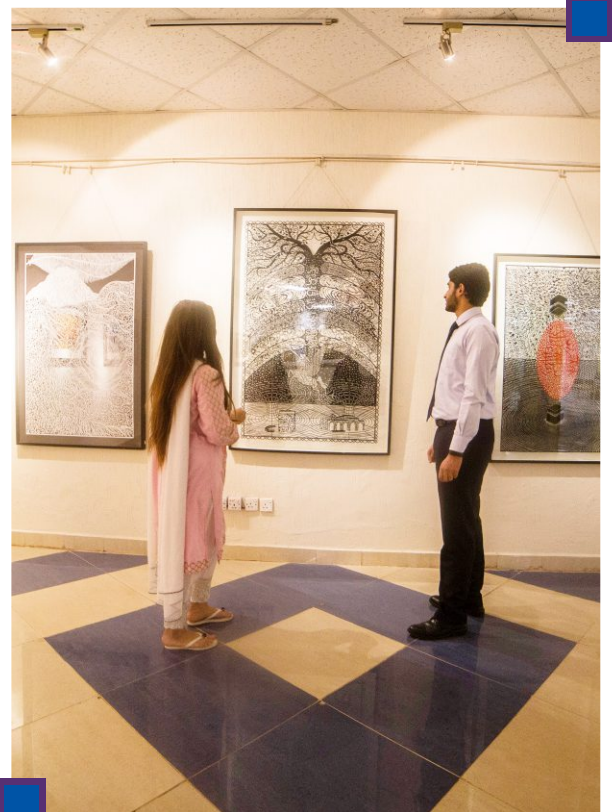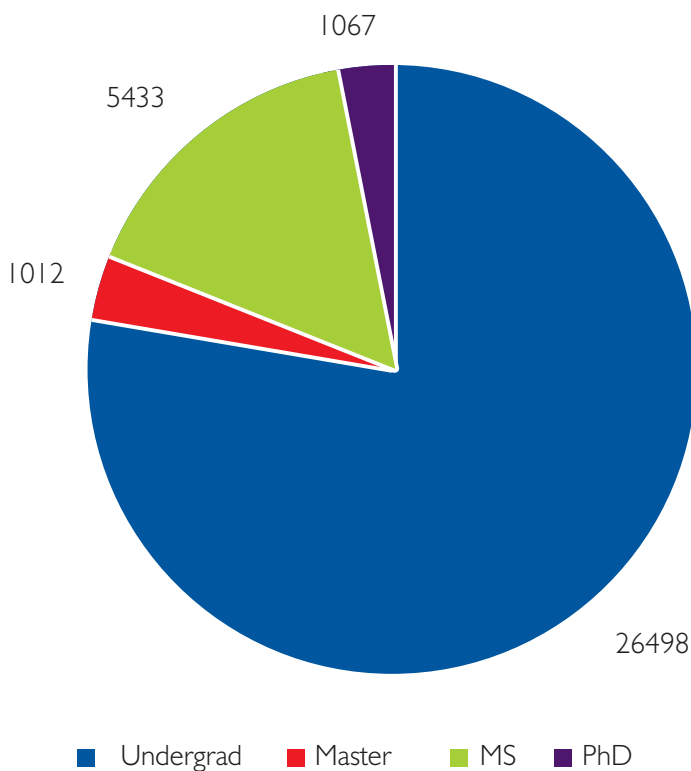
The detail of student enrollment in the 05 faculties as of Spring 2020 is as follows:
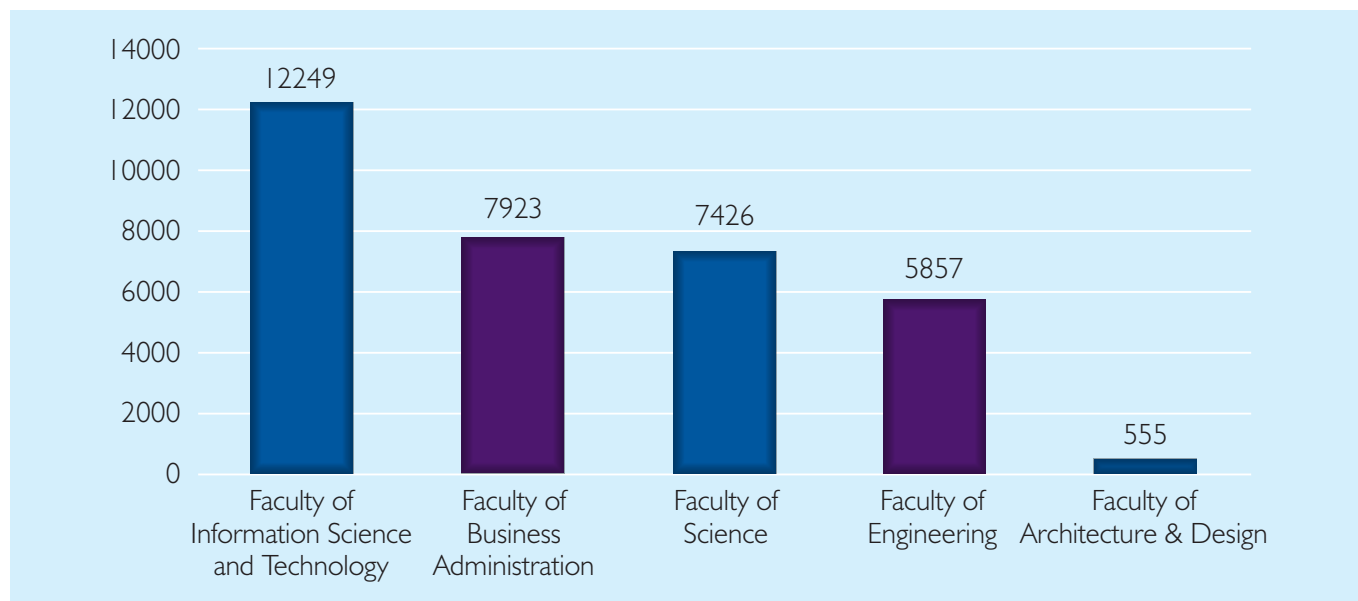
Campus-Wise Student Enrollment Percentages
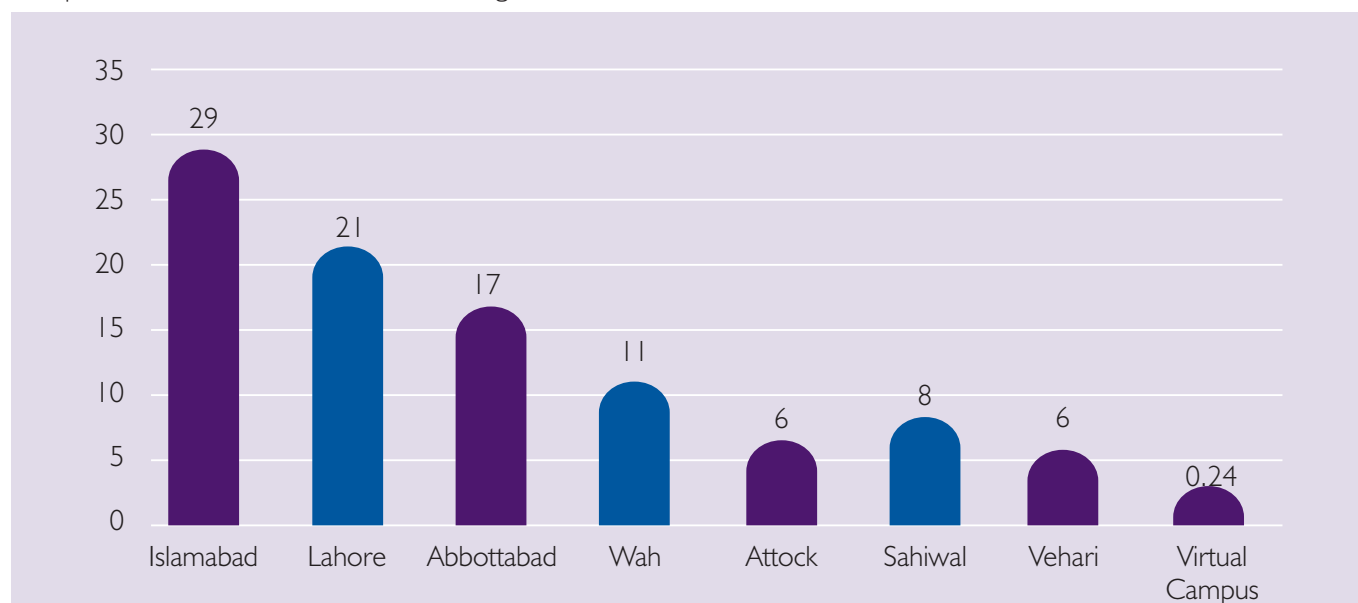
Equity

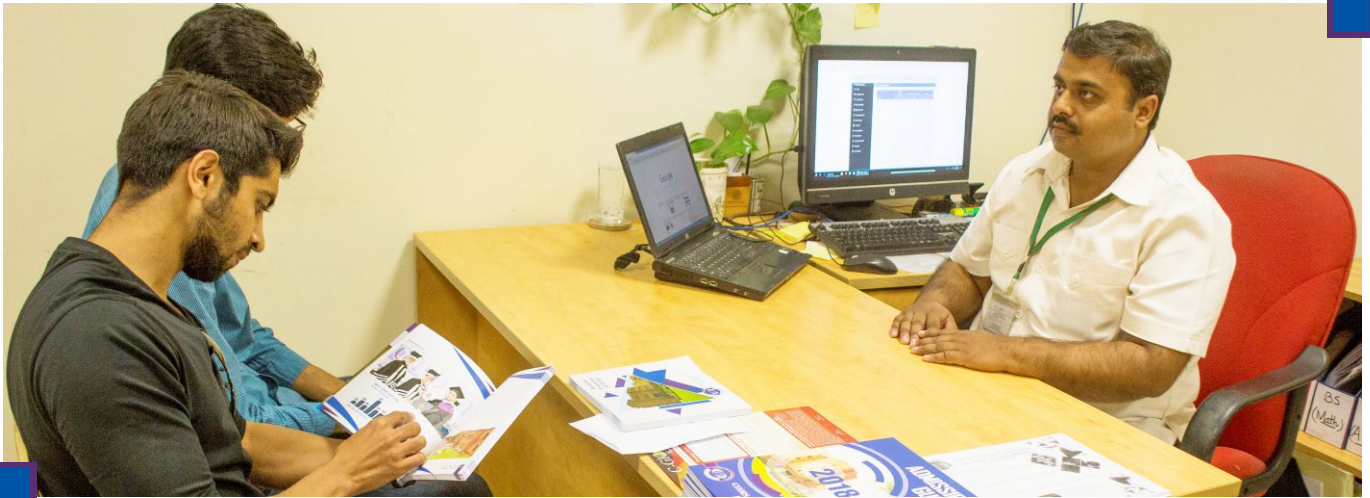According to CUI's Act No XI of 2018 clause No. 5, stating CUI is an open merit University, and it shall be open to all persons of either gender and of whatever religion, race, creed, class, colour or domicile. No person shall be denied the privileges of the University on the grounds of religion, race, caste, creed, class, colour or domicile provided if they academically qualify for admission to the courses of study offered.. Hence all the policies of CUI, pertaining to admission, hiring, compensation, medical, etc. are formulated on this rule of business. Furthermore, a student who is eligible for admission through open merit is not declined due to his/her financial constraints.

Gender-wise Detail of Student Enrolment

Similarly, there is no gender discrimination at CUI as stated above. During the reporting period, the males and females studying at CUI were 67% and 33% respectively. The campus-wise and gender-wise percentage of male and female students is given below:
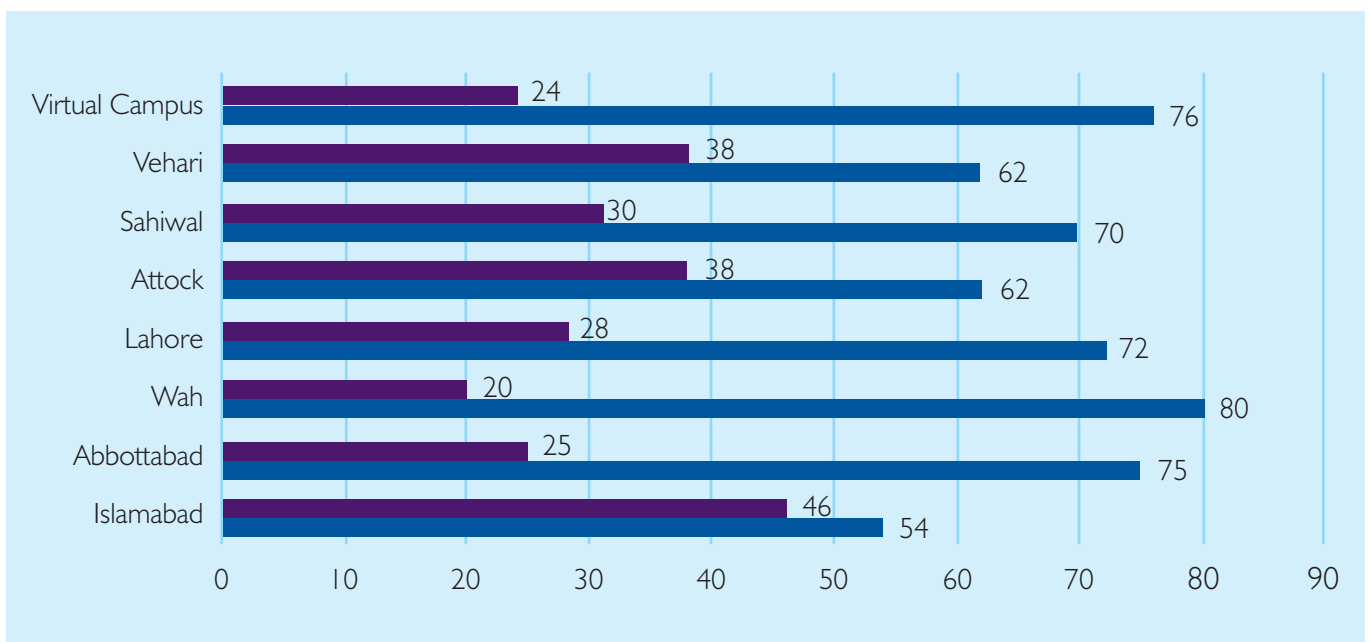
Faculty-Student Ratio

Induction of highly qualified faculty at CUI is a continuous process. It is a firm commitment of CUI to provide its students with the best. During the reporting period, the faculty to student ratio at CUI was 1:13.

Chapter 06

University
Building Economies

University-Industry Linkages

The interface between Academia and the Industries is a good measure of the development of any country, and CUI has been working on establishing this interface. CUI has a good knowledge of the technology base in the country. The contacts with local and foreign institutions enhance its scientific, educational, R&D and technology growth potential.

Collaborations with various Local Institutions and Industries

CUI, Wah Campus has been actively engaged in establishing linkages with some reputed industries and as of August 2020, CUI, Wah Campus entered collaborations with the following institutions:

1. Pakistan Council of Scientific and Industrial Research (PCSIR)
2. Pakistan Institute of Nuclear Science and Technology (PINSTECH)
3. Pakistan Council of Renewable Energy Technologies (PCRET)
4. National Institute of Electronics (NIE)
5. National Engineering and Scientific Commission (NESCOM)
6. Pakistan Meteorological Department (PMD)
7. Pakistan Ordinance Factories (POF)
8. Heavy Industries Taxila (HIT)

Formation of Industrial Liaison Office and Signing of MoU's with Various Industries

The Industry Liaison Office of the Department of Management Sciences, CUI, Vehari Campus has worked progressively to establish strong University Linkages. In August 2020, the office signed collaboration agreements with Vehari Chamber of Commerce and Industries, Xerobug Technologies, UFI Tech Pvt. Ltd and ZPzen Technologies.

Industrial Project with Banesser Health Company (BHC)

The Department of Pharmacy, CUI, Lahore Campus signed and initiated an industrial project with BHC Multan for the manufacturing of Moringa products. BHC will not only provide whole cost of this project but will also help to develop industrial laboratory in the Department.

Skill Competition 2019

Team from HUTIC-KICS and Huawei in collaboration with CUI, Sahiwal Campus arranged an awareness session at the campus on September 17, 2019. Prof. Dr. Saleem Farooq Shaukat, Director CUI, Sahiwal Campus welcomed the Team from HUTIC-KICS and Huawei and interacted with them about the opportunities attached to this competition.

Industrial Visit to Margalla Textile Mills, Hassan Abdal

The students of Department of Management Sciences, CUI, Wah Campus visited Margalla Textile Mills, Hassan Abdal on September 26, 2019 under the supervision of Dr. Muhammad Yar Khan, Dr. Majid Jamal Khan, Syed Sikandar Wali, Mr. Ismail Marwat and Ms. Naima Saleem.

Seminar on Industry Expectations from your Degree

Mr. Kashif Ayyub, Assistant Professor, Department of Computer Science, CUI, Wah Campus arranged the seminar on October 2, 2019, which was conducted by CEO of 11 Values, Islamabad, Muhammad Farrukh Mahmood. The seminar provided awareness to students on growing trends of market and to cope up with the latest Industry needs.

Seminar on Sustainable Alternatives to Plastic Bags: Conserving Environment

A One-day seminar on "Sustainable alternatives to plastic bags: Conserving Environment" was organized by Dr. Ishfaq Ahmad, an academic researcher at the Centre for Climate Research and Development (CCRD), CUI in collaboration with CLIMOSOL working on the environmental issues in Islamabad on October 03, 2019. Seminar aimed to raise awareness amongst wider community on environmental damages caused by plastic pollution and gearing up the

Federal Govt. initiatives for conserving environment by adopting alternatives to plastic bags.

Signing of MoU between CUI Lahore Campus and Descon Technical Institute (DTI)

A Memorandum of Understanding (MoU) was signed between DTI and CUI, Lahore Campus on October 08, 2019 for the establishment of cooperation and facilitation of each other to bridge the gap between the industry and the academia through research and development and training.

1st National Conference on Economic Development of Hazara Division

The Department of Environmental Sciences, CUI, Abbottabad Campus participated in the 1st National Conference on Economic Development of Hazara Division held on October 23-25, 2019 through setting up a Research and Applied Projects Exhibition. The exhibition aimed to commercialize the faculty research and students' projects, and to also interact with representatives of the industry to know industrial concerns and their research needs. The department exhibited various technologies for the treatment of industrial wastewater. The activity helped in bridging the gap between academia and industry, and laid a steppingstone for future collaboration.

Industrial Visit to Heavy Mechanical Complex (HMC), Taxila

The students of Department of Mechanical Engineering, CUI, Wah campus visited HMC, Taxila on October 24, 2019. During the visit, the students were briefed about operating the Fabrication, Welding and Machine Shops. At HMC, students visited the main shops and learned about Design & Engineering, Fabrication, Machining, Forging, Heat Treatment, Hydraulic Press. HMC works on projects of Sugar plants, Cement plants, Boilers, oil and gas Sector, Steel Structures, Overhead bridges, Cranes and Hydel Plants.

Session on Women startups

The Department of Computer Science, Islamabad Campus arranged an information session on Women startups. In this regard Ms. Sumaira Abbasi on behalf of WECREATE Center Pakistan and Tie Islamabad visited Islamabad Campus on November 01, 2019.

Visit of Departmental Liaison Committee

The Industrial Liaison Committee of the Department of Mechanical Engineering, CUI, Sahiwal Campus comprising of Dr. Arslan Ahmad, Convener, Dr. Zahiruddin Sheikh and Mr. Jawad Abid visited Six Sigma Refrigeration Limited, Sundar Industrial Estate Lahore on November 05, 2019 for strengthening the liaison and to acquire jobs for students.

Visit to DESCON Engineering Limited

Mr. Salman Nawaz, Lecturer and Mr. Jawad Abid, Lab Engineer of the Department of Mechanical Engineering, CUI, Sahiwal Campus along with students of Bachelor of Science in Mechanical Engineering Batch 2013 visited DESCON Engineering Limited, Lahore on November 07, 2019.

Workshop of Global Navigation Satellite System (GNSS)

A workshop was organized by Head, Department of Mechanical Engineering at Islamabad Campus from November 7 to 9, 2019 regarding latest trends on GNSS under USAID funded project. The workshop was attended by researchers, officials and faculty members of related departments including Pakistan Metrology Department, Ministry of Climate Change, SUPARCO, Institute of Space Technology, and CUI departments from different

campuses including CCRD, Meteorology, High Mountain Research Centre, Electrical and Computer Engineering and Mechanical Engineering; Agriculture University Faisalabad, RS and IGIS department of Arid Agriculture University Rawalpindi, University of Engineering and Technology, Peshawar, Karakorum International University, Gilgit Baltistan, University of Sakrdu, Gilgit Baltistan, Department of Environmental Sciences, Quaid-i-Azam University Islamabad, Nuclear Institute of Agricultural Biology and others. This was observed a very useful workshop for the researchers who have related knowledge in GNSS. Prof Rui Fernandes was the Trainer from Portugal as expert by USAID.

Industrial Visit to Hattar Industrial Estate

Department of Management Sciences, CUI, Abbottabad Campus arranged an industrial Visit to Hazara Phosphate Hattar industrial Estate on November 08, 2019 for the students of Management Sciences. The Guided tour was arranged by Mr. Asim from Hazara Phosphate to help students understand various operations at the facility.

Panel Discussion on Climate Change and Security

CCRD, along with the International Office, CUI, organized the panel discussion on 'Climate Change and Security' and in collaboration with Embassy of the Federal Republic of Germany in Islamabad on November 11, 2019.

Seminar on Water Conservation through Smart Water Metering and Pricing in Pakistan

One day seminar was organized by CCRD, CUI in collaboration with PCRWR and SDC Islamabad on November 13, 2019.

An Industrial Trip to Pakistan Locomotive Factory Risalpur

An industrial study trip of Pakistan Locomotive Factory Risalpur was organized by Department of Management Sciences, CUI, Wah Campus on November 19, 2019.

Event on Importance of Books as a Tool of Mass Communication

Mr. Sohail Riaz, In charge, Media Studies, CUI, Lahore Campus organized the on November 26, 2019 in which the CEO Jamhoori publications, a great anchor, columnist and a media expert Mr. Farrukh Sohail Goindi was invited as the chief guest. He enlightened the conceptual grounding of media drudged students about the importance of books.

10th Annual Public Health Conference on Tackling Inequities in Health

Faculty and Students of Department of Health Informatics, Islamabad Campus participated in Conference held on December 2-3, 2019 at Health Services Academy, Ministry of National Health Services Regulation and Coordination, Government of Pakistan.

Industrial Visit to Rastgar Engineering Company

The students of Department of Mechanical Engineering, CUI, Wah Campus visited Rastgar Engineering Company Limited on December 4, 2019 and December 12, 2019. During the visit Students were briefed about different manufacturing techniques and quality control standards. The students visited foundry shop and machining shop where they visualized casting techniques and CNC lathe operations respectively.

Seminar on Public Polices and its Implementation

A seminar was organized by the In-charge Student Affairs, CUI, Wah Campus to create awareness amongst the youth on December 5, 2019. The Guest speaker Prof. Amanullah Khan presented formation and adoption of public policies and their effectiveness.

Conference on Engaging Youth in Climate Advocacy and Action to observe World Mountain Day

A conference on 'Engaging Youth in Climate Advocacy and Action' to observe World Mountain Day was organized by Dev-Com Pakistan in collaboration with CCRD, CUI, Food and Agricultural Organisation of the United Nations, WaterAid and Pakistan Poverty Alleviation Fund on December 10, 2019 at Islamabad Campus.

Women in Tech Conference

Women in Tech Conference was organized by IEEE, Islamabad Campus on December 12, 2019. The event was a panel discussion with four women having highly successful careers; Miss Qurat ul Ain, Miss Rabia Mukhtar, Miss Farah Samuel, and Miss Khadija Amir. The goal was to empower women and help them to play a more effective role in the world of technology.

Workshop on Brand Yourself

The "Brand Yourself" workshop was organized by the Department of Management Sciences, CUI, Wah Campus on December 12, 2019. This workshop was designed for the students of Bachelor of Science in Accounting and Finance and students of Bachelor of Science in Business Administration of 7th semester. The workshop enabled the students to get know about their intellectual being, think critically, take decisions, set long term and short-term goals, prioritizing and develop leadership skills. Two Professional Trainers Ms. Taieed Zahra and Mr. Muhammad Baber Abbas were invited as resource persons who were motivational speakers and entrepreneurs and running their private organization Y.NOT.Y Training & Development Company in Islamabad. A total of 35 participants got registered and attended the workshop

Talk on Event Management

A talk by Mr. Faraz Ameen - CEO of a leading event management company in Lahore Brand Interface was organized at CUI, Abbottabad Campus on December 13, 2019.

Talk on Actor Critic Algorithms for Efficient Communications in IoT Systems

A talk was arranged by Prof. Dr. Ahmed E. Kamal, IEEE Fellow from IOWA State University USA on December 18, 2019 in Islamabad Campus. He presented his ideas about "Actor Critic Algorithms for Efficient Communications in IoT Systems".

Workshop on Hello AR

The Department of Computer Science, CUI, Wah Campus arranged the workshop on January 29, 2020 in collaboration with Tesseract Solutions Pvt. Ltd Islamabad. The aim of the workshop was to provide hands on training to the final year students on a growing field of Augmented Reality Technology by using different tools such as Autodesk, Maya and Unity3D Real time Engine

Industrial Visit to National Incubation Center

The Department of Computer Science, CUI, Wah Campus arranged an industrial visit for Final Year undergraduate students to National Incubation Center (NIC), Islamabad on February 26, 2020. The NIC is Pakistan's state of the art award winning innovation hub working under public-private partnership with Ministry of Information Technology and Telecommunication (MoTT) to engage youth in taking initiatives of becoming a stakeholder. At the end, the students had a very fruitful interactive question answer session with an expert of NIC team in which they discussed several incubated projects, their thoughts and ideas.

World Water Day 2020

CCRD, Islamabad co-Organized World Water Day 2020 on UN World Water themes in collaboration with PCRWR and Riphah University Islamabad and other partners in March 2020.

Project to Develop Entrepreneurial Culture Launched at Lahore

A capacity building collaborative project to develop entrepreneurial universities in Pakistan was launched at Government College University Lahore on March 4, 2020. The 3-year project viz. TAKE-UP (Transforming Academic Knowledge to develop Entrepreneurial Universities in Pakistan) is being funded through EU Erasmus+ Program having partnership between 4 Pakistani universities (CUI, GCU, LUMS and UoG) and 2 foreign universities (University of Saarland in Germany and Athens University of Economics and Business in Greece). Implementation of this project will promote a culture of entrepreneurship by training the faculty and staff at the partner universities to motivate graduating students and researchers for their ideas on sustainable job creating businesses in Pakistan. For implementation of CUI's part of the Project, CUI will

receive an amount of 157,460 Euros as its share of the grant that include cost of equipment of 60,000 Euros for setting up a Fab Lab at CUI, Lahore Campus for training to develop skills in prototyping and entrepreneurship amongst the graduating students.

Online Session on Career Prospects for Islamic Finance Graduates

The Center of Islamic Finance (CIF), CUI, Lahore Campus organized an online session "Career Prospects for Islamic Finance Graduates" on August 10, 2020. The session was delivered by Dr. Ali Raza Nemati, Head of Training and Talent Management Unit-HR and Assistant Director Max Strategy at Riphah Group through zoom application.

Business Incubation Center / Student Startup Business Centre (SSBC)

As per SSBC statutes, awareness sessions for the registration of business ideas are conducted every semester.

Islamabad Campus

➢ SSBC, Islamabad conducted a one-month awareness drive during September-October 2019 in which around 70 ideas were received. On November 4-5, 2019, CUI hosted PEP foundation two days Co-creation Session for University Incubators; in order to promote women entrepreneurship. Incubator center managers and in-charges from NUST, Bahria University and SSBC CUI participated in the activity.

➢ The 8th Management Committee meeting was held in Junaid Zaidi Library CUI Islamabad on November 22, 2019, wherein business plans of five startups Batch-VI were evaluated by committee members.

➢ The SSBC, CUI in collaboration with PEP foundation organized a three days boot Camp "KHUDI" in order to promote women entrepreneurship at CUI from December 17-19, 2019. In the event 12 student groups were registered out of which 10 groups of female students pitched their business ideas and five teams were selected in this event.

➢ SSBC, CUI hosted one day SME Session in collaboration with PEP foundation on December 20, 2019 wherein female student startups Batch-VI also actively participated during Q&A session. Mr. Waqas Ahmad, Assistant Manager, LMKR, Mr. Gull Zeba Jawad, Vice Chairperson of Women Entrepreneurs Standing Committee and Mr. Umair Arshad, Cost Controller, Marriott Hotel were invited to attend the session.

➢ 8th Follow up meeting of Management Committee was held on December 27, 2019, wherein 30 students were shortlisted and called for presentations in front of Management Committee for enrollment of Batch-VII at SSBC.

➢ SSBC startup Tacton Biotic participated in 'Codin Guru' on February 15-16, 2020 a software exhibition was organized by LUMS. The startup also took part in project exhibitions National Olympiad NEO'20 dated February 7-92020 organized by GIKI and Imagine cup by Microsoft.

Abbottabad Campus

➢ A national-level mega-conference on IT titled "Connected Pakistan 2019" was co-organized by SSBC Abbottabad and Connected Pakistan on Sep 14, 2019. The conference was attended by some influential personalities in the field, e.g. Hisham Sarwar, Hammad Safi -Nana Professor, Mehtab Hameed, Zaydan (Actor / Trainer) and many more. Mr. Ali Khan Jaddon MNA/ Chairman Standing Committee on Information Technology and Telecommunication also graced the occasion and appreciated the efforts. The participants were also given a Motorcycle through the lucky draw.

➢ An awareness campaign took place on September 25-26, 2019 at CUI, Abbottabad Campus. The activity was to give a brief introduction of SSBC, its functions, the benefits of being an entrepreneur rather than finding jobs after the completion of studies and becoming "Your Own Boss".

➢ An international level digital event titled Digital Youth Summit took place in Peshawar from September 28-29, 2019. In this regard, SSBC secured free registration for students for the event. A total of 31 students of BBA,

BSE & BCS attended the event.

➢ Two students' entrepreneurial ideas secured top positions in DICE USA event held at AUST on October 11, 2019. There were more than 100 ideas/projects presented by universities all around the country. The students won DICE USA Award plus Cash Prizes. The projects were 3D printing (Group Members: Hisham Ali, Muhammad Ali Ahsan, Abubakar Zahid) and Self-excited Induction Generator for rural areas (Group Members: Zain ul Abideen, Umair Ali).

➢ SSBC co-organized the 1st National Conference on Economic Development of Hazara Division on October 23-25, 2019 with FPCCI, World Bank, ERKF, SMEDA, and KPEZMC. It was a unique event in the history of KP province that provided a platform to all the key stakeholders, industry, government and academia.

➢ SSBC also co-organized a Free Webinar on Freelancing Sponsored by Jazz Cash titles "Learn Freelancing - Earn Freedom". The main trainer / speakers of the webinar were Umair Jaliawala (Founder & CEO Torqu Crop), and Hisham Sawar (Founder Being Guru), Shajeel Afzal (Freelancer), Salma Noureen (Freelancer), Asma Mustafa Khan (Head Community Engagement, Jazz). The webinar was scheduled on August 23, 2020.

Lahore Campus

➢ Enrollment/ registrations for SBBC Batch VIII-Fall 2019 semester were opened. Banners, standees and posters were placed at different locations of the Campus. CUI Lahore Facebook and Website pages/links were updated. Students are also being invited via SMS, SFS, Front desk services and classroom announcements were made.

➢ SSBC Management Committee CUI, Lahore Campus meeting was held on October 14, 2019 in the office of Sr. Manager QEC/Member to evaluate ideas of Batch-VI-Spring 2019 semester.

➢ SSBC idea/Business Plan of student Mr. Haris Akhtar was forwarded to Principal Seat for final review/evaluation/approval and allocation of funds.

➢ SSBC office supported and sponsored IDEOCON event held on October 23, 2019 during student week. Manager SSBC participated in all major segments of the event. Apart from promotional material, SSBC office also sponsored 15 event shields awarded to Director, Chief guests and other participants.

➢ SSBC Batch-VII-FA19 shortlisting/evaluation committee

meeting held on November 19, 2019.

➢ 7th SSBC Management Committee Meeting for Batch-VII-FA19 startups/ideas evaluation held on December 11, 2019 at IRCBM Block Meeting Room. Three CEOs from industry attended the meeting.

➢ In-charge Manager SSBC attended National Champions Pitch Competition along with 10 SSBC startups/groups organized by Nspire, Netsol Technologies and PBIT on Wednesday, January 22, 2020 at CM House 90 Shahra e Quaid e Azam, Lahore, Pakistan.

➢ SSBC Batch-VIII-Fall 2019 semester promotional campaign was launched; Registrations were opened for FYP/New business Ideas enrollment at this Campus.

➢ To enhance the skills and knowledge of SSBC startups, Lahore office nominated their two startups to attend one day paid digital marketing training at Kaprix consulting Pvt. Ltd. The training session was held on February 29, 2020 at Johar Town Lahore.

➢ SSBC Batch-VII-FA19 enrolled startups Training/ orientation ceremony was held on March 02, 2020 at D-Block Meeting Room at 1:00 PM onward.

➢ SSBC Batch-VIII-Fall 2019 semester promotional campaign was launched.

➢ In-charge Manager SSBC along with other CUI colleagues attended two days March 4-5, 2020 capacity building workshop/Take up Project Launch at GCU and LUMS on "Transforming Academic Knowledge to develop Entrepreneurial Universities in Pakistan: Capacity Building for Local Entrepreneurial Ecosystem".

➢ SSBC Batch-VII-FA19 training/orientation ceremony was held on March 02,2020.

➢ SSBC Batch-VII-FA19, Top-3-best ideas prize money distribution ceremony was held on March 02, 2020 at Director office. Worthy director distributed the prize money cheques among the top three best SSBC groups/startups.

➢ SSBC Batch-VIII-Fall 2019 semester promotional campaign was launched, Registrations were open for FYP/New business Ideas enrollment at this Campus with deadline of March 31, 2020.

➢ Admission Marketing proposal of CUI, Lahore Campus SSBC Start-up "University Experts" was forwarded to Director for review and financial support.

➢ Seed Money cheque of Rs. 150,000/-was awarded to

SSBC Startup "University Expert" on July 21, 2020. The Director distributed the cheque and had a meeting with Startup students where agreement was also signed.

Sahiwal Campus

➤ In-charge SSBC, Dr. Hasan Riaz and Asst. Manager, Ali Khalid conducted the awareness sessions and informed the students of different departments about registration of ideas at SSBC online portal. During the talk, students were explained the working of SSBC, and the benefits associated with it for the students of CUI, Sahiwal.

➤ On December 05, 2019 USAID-PEEP team visited campus and conducted a seminar. The purpose of the seminar was to provide information to the faculty and students of all departments about the funding opportunities for entrepreneurial ventures. The audience were informed about the funding opportunities in the fields of Horticulture, Dairy and livestock.

Vehari Campus

➤ SSBC Vehari Campus conducted awareness activity for new students at Orientation day on October 28, 2019 and November 03, 2019. The In charge interacted with students from Department of Management Scienes, Economics, Computer Science, and Environmental Sciences. Startups Eye Tee studio was awarded cheque of seed funding on January 17, 2020.

➤ In total, 10 business ideas were shortlisted for presentations to SSBC Management committee. All applicants were informed via SMS, phone call and email about the schedule of presentations. The groups scored less marks in their presentation and business ideas were not selected for enrollment at SSBC. A new drive was to be conducted for SSBC enrollment.

➤ iRonics group submitted its progress report. The group was advised to submit the progress report after adding key performance indicators (KPI) and a profit/ loss statement. It was further suggested by the committee that training sessions should be conducted for the group on marketing and sales strategies. The business plan presentation of Eye Tee studio scored high marks and an approval for business funding for the startup was granted by the committee. The committee suggested to the group to come up with an investment budget plan in consultation with ED SSBC office. After this, the approved amount will be paid to the group in three monthly installments. The project was appreciated by the committee. The group has started its business activities at SSBC premises at the campus. The startup has also registered with the Registrar of firms. SSBC Management Committee member, Ch. Asif (President Chamber of Commerce) presented a cheque for an amount of Rs = 50,000/- (rupees fifty thousand only) to startup iRonics through SSBC. 48 newly submitted projects are under evaluation at present.

CUBATOR1

➤ Cubator-1ne is first business incubator of the COMSATS University Islamabad offering a conducive environment for faculty and students to startup their own businesses that are knowledge and innovations based. Cubator-1ne has the capacity to incubate over 40 firms in 36,000 sqft available space. Currently Cubator-1ne is hosting 21 businesses, out of which 18 belong to CUI students, faculty members and graduate. At present, 52 Cubator-1ne graduated companies are working in the open market of the twin cities Rawalpindi and Islamabad. For the financial year 2019-20, Economic footprint of CUI Incubation Companies was PKR 500 Million along with 450 jobs and 350 paid internship opportunities were created by CUI Incubated Companies.

List of Incubated Startups

#	Company Name	Starting Date
FALL 2019 and SPRING 2020		
1	Workitude IT Service	October, 2019
2	SOFT	February, 2020
3	Talha Saif Enterprises	February, 2020
4	SIA Education Hub SMC (Pvt) Ltd.	March, 2020
5	Saaf Sehatmand Services (Pvt) Ltd.	March, 2020

Graduated Companies

#	Company Name	Starting Date	Graduated Date
FALL 2019 and SPRING 2020			
1	D4 Interactive (Pvt) Ltd.	April, 2016	September, 2019
2	Expert Vision	March, 2015	March, 2020
3	Mirza Consultant	August, 2018	August, 2019
4	Erudite Solutions	April, 2016	January, 2020
5	Dezvolta Technology	April, 2019	May, 2020
6	Saaf Sehatmand Services (Pvt) Ltd.	February, 2020	July, 2020
7	ISE Experts	March, 2017	April, 2020
8	Fambzzhh	July, 2016	June, 2020

G2 (Business Software and Services Reviews) agency has declared Cubator-1ne based graduated company D4 Interactive (Pvt) Ltd. products "Content Studio" as the No.1 Content Curation platform for Fall 2020.

During the reporting year, following FAMBAAHH products were reflected as achievements of Cubator1ne:

Amir Pakistan Ventilator

➢ In the wake of the recent global pandemic due to the Novel Coronavirus, WHO (World Health Organization) has declared a worldwide health emergency. According to WHO, around 80% of people with Covid-19 - the disease caused by coronavirus - recover without needing hospital treatment. The Government of Pakistan has taken all possible initiatives to fight this pandemic, but with its limited resources, the most severe challenge being faced is the alarming shortage of ventilators across the country. There are only 1,700 ventilators available in hospitals nationwide and the required number is far greater than what we currently have. To cope up with this challenge, our team has manufactured ventilators locally and to provide our hospitals with them on reduced costs.

➢ **Achievement:** It was recognized by PEC, also Qualified for DRAP test, and will be soon launched in the market

➢ **BIPAP and CPAmP Ventilator**

➢ Due to the COVID-19, one out of 6 Covid-19 effected patients becomes seriously ill and can suffer from breathing difficulties. BiPAP and CPAP ventilator is used to provide filtered, pressurized air to keep airway of patient open, so it doesn't collapse during sleep. It's also used for patients suffering from sleep apnea.

➢ **Achievement:** It was PEC Recognized & qualified for DRAP test. It will be Commercialized later this year.

Oximeter

➢ Pulse oximetry is a painless medical device, use to measure oxygen saturation of COVID patients by illuminating the skin and measuring changes in light absorption of oxygenated (oxyhemoglobin) and deoxygenated blood (reduced hemoglobin) by using two small beams of light having different wavelengths. It is a light-weighted, painless, device in which a person inserts his/her finger. Pulse oximeter measures pulse and the percentage of oxygen in the blood and the

within a half-minute the result show into LCD, this device is very lightweight and easily pick in the pocket.

➢ **Achievement:** Recognized by PEC, also Qualified for DRAP test, and will be soon launched in the market.

Thermal Gun

➢ A thermal gun is a device used to check the temperature without direct contact by just pointing on an object. It an infrared thermometer and is working as an effective device to identify people showing symptoms like COVID19 patients.

➢ **Achievement:** PEC Recognized and qualified for DRAP test. Will be commercialized later this year.

Abduction Redemption System

➢ The research is concerned with finding out a suitable means to protect the victim against this phenomenon of abduction using tracking systems like GSM; and GPRS. The research aims at illustrating the advantages of the tracking systems that are used in locating missing or lost children and tracking the child movements outside from the safe area. The new method helps in following up the kidnapped child for a long time as the used system relates to the parents via sending messages to their mobile phones when the child changes the defined location as it defines the location more accurately. The system can also be used to locate women who are in danger. The GPS is combined with one of the basic services of a smartphone which is GSM more specifically SMS in one system. It contains various sensors which measure different parameters on a regular basis. In case of emergency, a message will be sent to parents and/or police, by pressing the panic button.

➢ **Awards:** Winner of the HULT Prize Competition.

➢ **Funding:** Equipment Funding by Telco Net Pvt Ltd & 3500 PKR funding by IDEOCON.

Revenue

Time Frame	Revenue Generated
1st -6th Month	0.5 Million
7th -12th Month	1.2 Million
2nd -5th Year	10 Million

Shock Preventer

- Shopping is a domain which is still using traditional methods. Traditional way of shopping can cause waste of precious time. Especially during the festival season, the waiting in long queues is a pain in neck. Shock Preventor is providing a smart solution towards the advancement in shopping experience. It automatically calculates bills while shopping. When customer reaches at counter, he/she only must pay the calculated bill. It also provides the theft protection system making the product more reliable and trustworthy.

- **Awards:** Won IDEOCON competition at CUI, Lahore campus along with Rs. 5000 prize money.

- **Funding:** 5000 PKR funding by IDEOCON and equipment funding by J&J Consulting Pvt. Ltd.

Revenue

Time Frame	Revenue Generated
1st -4th Month	0.6 Million
5th -12th Month	1.5 Million
2nd -5th Year	12 Million

Ababeel

- Drones of different shapes, sizes, and with various useful features have been made over the past few decades, and their civilian applications are getting more appealing. In recent few years, drones are used to fight wild fires, military purposes and to drop relief materials in time of natural disaster. But now they are being used to repair deforested lands. World wants to ensure efficient coverage of a large area in least possible time. So, seed bombing by drones is increasingly being looked upon as a feasible solution. Drone reforestation is the technique in which we use drone for dispersing seeds in a desired area. The purpose of this paper is to describe the working applications of aircraft vehicle in forests or on lands where trees need to be planted and few applications that are to map forests, planning management of forests and measuring forest gaps etc.

- **Awards:** Won Capital Youth Expo 2019.

- **Funding:** 70k funding by IGNITE & 10k by Capital Youth Expo.

Revenue

Time Frame	Revenue Generated
1st -6th Month	1 Million
7th -12th Month	3 Million
2nd -5th Year	25 Million

Creation Watcher

- A pregnancy monitoring device with enhanced software and hardware. A device has been presented for monitoring the Contraction counts, Heart rate of fetus, Kick counts, Pulse rate of mother, Bp of mother, Heart rate of mother, Emergency location update, Emergency notification via SMS and Ultrasonic image of fetus. It has used better quality hardware and enhanced software to monitor the growth of baby and mothers health in a better way possible than before.

- **Awards:** Won VISIO SPARK 2019 competition at CUI, Wah Campus.

- **Funding:** Equipment funding by J&J Consulting Pvt. Ltd.

Revenue

Time Frame	Revenue Generated
1st -6th Month	1.2 Million
7th -12th Month	5 Million
2nd -5th Year	30 Million

Smart Home Solution (S.H.S):

- It is a new and intelligent wireless multi option home system using state of the art technology, the system uses an embedded micro-web server, with IP connectivity for accessing and controlling devices, as well as keeping our homes secured using an android-based application. It is basically a remote controlled monitoring and operating system. This system intends to control the electrical appliances with user-friendly interface and ease of installation.

- **Awards:** It has won WSIS Competition Forum Geneva Switzerland 2017 and 2019. It has also won Global Cleantech Innovation Programme for SMEs and Start-ups in Pakistan United Nations Industrial

Internship and Placement Office

Besides providing the students with quality education and learning experience, CUI also helps them and the alumni in exploring various job opportunities and making effective career choices. For this purpose, internship and placement offices have been established at all CUI campuses which assist in personal and professional development of students/alumni.

During the reporting period, Students of 3rd year and 4th year were recommended under the guidance of Departmental ILC Committee of Mechanical Engineering Department, CUI, Sahiwal Campus in different national industries for summer internships. Approximately 600 internship letters are issued to the students of Mechanical Engineering, CUI, Sahiwal Campus for internship placement in the local industry.

Internship Guidelines

Department of Managements Science's Industrial Liaison Program, CUI, Abbottabad Campus conducted a workshop on September 20, 2019 to provide students insights about internships. The target audience for this workshop was BBA 6 semester, as they will be doing an internship as part of their degree at the end of their 6th semester. Students from 7th Semester shared their experiences they had during their internships in various organizations all over Pakistan.

Internship Report Writing Guidelines Workshop

The Department of Management Sciences, CUI, Abbottabad Campus arranged an Internship Report Writing Workshop, conducted by Dr. Yasir Bin Tariq on September 26, 2019 where he discussed criteria, requirements and framework of Internship report which is to be submitted by the students who completed their 6 week internship during the last summer break.

Seminar on Pakistan Students and Employment Opportunities

COMSATS Management Club in association with the members of Event Management Committee of Management Sciences Department CUI, Lahore Campus organized a seminar on "Pakistan Students and Employment Opportunities" on October 03, 2019. It was conducted by Mr. Muhammad Yasir Bhatti (Project Director of Mindcraft Educational Service). It provided a platform for the faculty and undergraduate students to interact about the present trends and opportunities available for the upcoming professional.

Job Fair

Career Development Cell, Department of Management Sciences, CUI, Vehari Campus successfully organized its 5th Job Fair on October 30, 2019, where more than 54 companies participated.

CV Writing & Interview Skills

Industrial Liaison Program of CUI, Abbottabad from Department of Management Sciences organized a one-day workshop under supervision of Mr. Jamil Farid on November 5, 2019.

Recruitment Drives

During the reporting year, following recruitment drives were conducted including students' tests and interviews:

Company Name	Starting Date
Lean Automation Pvt Ltd	October 01, 2019
Style Textile Private Limited, Lahore	September 30, 2019
Cube Health Care Systems Pvt Ltd	December 18, 2019
Aventurebyte	February 06, 2020
i2c Pakistan	February 06, 2020
AlachiSoft	February 24, 2020
Cydea Technologies	March 9, 2020
Dynamics Inspire	March 11, 2020

Seminar on Passport to Job Entry with Pepsi

A seminar on "Passport to Job Entry" was organized by Ms. Zehra Sayyid, Assistant Professor for the students of Bachelor of Science of Business Administration 7th and 8th semester on December 5, 2019. The Guest Speaker was Mr. Omer Zia, who is a seasoned practitioner with 10 years

of industrial experience across Information Technology, FMCG, Telecommunication, Manufacturing and Retail Industries with both local and multinational organizations. He is a Certified Recruitment Analyst from USA and is heading the HR Department of Pepsi.

Projects and Career Expo

COMSATS Projects and Career Expo Fall 19 was held on December 19, 2019 at Islamabad campus. The Number of Projects displayed in the Career Expo were 92, 64 Companies visited and 275+ interviews were conducted. The Number of Students shortlisted/offered Jobs were 132+.

Workshop on Entrepreneurship as Viable Career Option

Department of Management Sciences, CUI, Sahiwal Campus in collaboration with Small and Medium Enterprises Development Authority (SMEDA) organized a seminar on December 23, 2019.

Student Counseling and Career Guidance

Seminar on Freelancing

Career Development Cell, CUI, Vehari Campus organized a Seminar on Freelancing on September 24, 2019 for the students. The aim of seminar was to enhance the soft skills and entrepreneurial capabilities of students

Talk on Student's Probation

A session was arranged with the students who are on probation on October 04, 2019 at CUI Sahiwal Campus. During the session, Prof. Dr. Saleem Farooq Shaukat, Director CUI, Sahiwal Campus interacted with the students. The agenda was to sensitize the students and to inform them about the consequences of probation.

Career Launchpad

A Career Launchpad was organized by IEEE CUI Islamabad campus on October 22, 2019, Career Launchpad focused primarily on final year students. The speaker Mr. Waqas Irtaza was an alumnus of CUI with over 10 years of experience in managing the designing and troubleshooting of complex IT solutions and also the founder and CEO of AcadiGO.

Workshop on Soft Skills Development

A comprehensive soft skills development workshop (CV/Resume building & Mock Interview, Significance of soft skills, misconceptions about effective communication, becoming a good presenter, Personality development) was organized by Career Development Cell (CDC) on October 28, 2019 in auditorium hall, CUI, Vehari Campus

A Seminar on Job vs Self Employed

The Department of Computer Science, CUI, Wah Campus conducted seminar titled "Job vs Self Employed" by Chief Technology Officer, Mr. Sanan Saleem from Green Tech, Islamabad on November 28, 2019. The guest speaker shared important aspects of being employed and self-employed. The workplace modalities and underlying problems faced in job and being self-employed were also discussed.

Workshop on Stepping in Career

The Department of Management Sciences, CUI, Wah Campus arranged two day workshop to exercise the practices involved in adopting a career of choice and guided business students in obtaining career goals on November 28-29, 2019. The Alumni and Senior Faculty Members conducted practical session on Self-Assessments, Team building practices, Activities of assessing potential of success and Workplace Ethics. The speaker also delivered sessions on the development of job skills, being an entrepreneur and business plans to set career aims.

Career Opportunities for Mechanical Engineers

The Societies of Mechanical Engineering Department, ASME (American Society of Mechanical Engineers) and ASHRAE under the guidance of Dr Arslan Ahmed arranged seminar on December 06, 2019. The seminar was conducted by prestigious industrial expert Mr. Ahmad Asad.

Seminar on Career Planning

A seminar titled "Career Planning" was organized by Dr.

Waheed Akhtar, Assistant Professor, Center of Islamic Finance, CUI, Lahore Campus for the students of BBA Final Semester on December 20, 2019. The Guest speaker was Mr. Tariq Saeed Chaudhry, Country Head - Corporate Distribution Pak-Qatar Family Takaful Limited.

Seminar on Career Building

A Motivational Seminar on Intention of Career Building was held at CUI, Vehari Campus on March 3, 2020.

Skills & Traits for Employment

The Department of Management Sciences, CUI, Abbottabad Campus students of BBA 6th semester, Specializing in Human Resource conducted an interview session with Mr. Kashif Javed on July 13, 2020 who has been serving as a general manager HR in Shareef group of industries.

COVID-19 & Job Market, Australia

Department of Management Sciences, CUI, Abbottabad Campus organized a webinar on July 24, 2020 by hosting Mr. Umer Nazir who has been working as a senior human resource adviser in Department of Environment, land, water and planning, Australia. He briefed the students about the critical skills they must have when applying for a job and how they can achieve them during their study life. Subsequently he narrated the impact of COVID-19 on the job market and how it has created challenges and opportunities for the new employees and employers as well as how students could get benefit of this time and opportunity.

Seminar on Human Capital with Teach for Pakistan

A seminar on "Human Capital" was organized under the supervision of Ms. Zehra Sayyid with the students of BBA-7 at Islamabad Campus. Students from BBA-8 also attended the seminar. The Guest Speakers were Mr. Ali Ahmed Sheikh and Ms. Maham Tanveer from "Teach for Pakistan". They shared useful tips on how to appear for an interview and guided on writing a resume. It was an informative and interactive session in which the student queries were addressed at length. Teach for Pakistan recruits top young talent from diverse fields through a highly selective process for a two-year full time paid Fellowship to teach in schools in underserved communities in Islamabad or Peshawar.

Activities Organized by Career Development Center

Career Development Center (CDC) at CUI Islamabad was also actively engaged in activities relating to community building and interaction. During the reporting period, following major activities were carried out by CDC:

- Session on "How to study effectively and enjoy campus life", in collaboration with IEEE, on September 04, 2019.

- Solidarity with Kashmir with Raja Zia ul Haq, on September 11, 2019.

- Talk on Current Research Challenges in Pakistan, by Dr. Ashar Malik, on September 12, 2019.

- Session on "Brand Awareness", by Shaikh Abdul Qadir CEO Wurfel IT Pvt Ltd, on September 13, 2019.

- Session on "The Reality of Life", by Mr. Amin Kunjahi, on September 18, 2019.

- Conquering the world with Mathematics, by M. Asad Ullah and Amna Mazhar, on September 19, 2019.

- Participated at Islamabad Climate March, on September 20, 2019, in collaboration with Ministry of Climate Change.

- "Tackling Plastic Pollution in Pakistan", by Ms. Farah Rashid, Senior Coordinator, WWF Pakistan, in collaboration with IDEA, on September 20, 2019.

- Book Reading Session by Ameer Arsalan, by Dr. Tassawar Abbas, on September 20, 2019.

- "What is your why? – when your why is big enough you will find your how!", by Mr. Ali Mustafa, Regional Business Head North, Activemedia, on September 20, 2019.

- Safety Awareness Camp by Honda Atlas, on September 24, 2019.

- AIMS Scouts training for First Aid, by Mr. Mahmood Saboor, First Aid training officer at Aims Scouts, Trainer in Deputy Commissioner Office Islamabad, on September 25, 2019.

- Future Perspective of Data Science, by Dr. Tayyab Nawaz, on September 26, 2019.

- Kashmir: The Territory of Human Rights Deprivation, by Ghulam M. Safi, Sayed Faiz Naqshbandi, Altaf Hussain Wani, Pervez Ahmed Sha and Sayed Yousaf Naseem, on September 27, 2019.

- A session on "Applications of Synchrotron Radiations", by Ms. Misbah Shaheen, on October 03, 2019.

- IEEE PES Zero Hunger Day, on October 10, 2019.

- RedBull Basement University Launchpad, on October 14, 2019.

- Dengue Awareness Talk, by Shah Fahad Khan (President) Pakistan Mosquito Control Association, on October 17, 2019.

- IEEE Code Wars on October 19, 2019.

- Awareness Session on Youth-led Policy Forum 2019, by School of Leadership Foundation, on October 22, 2019.

- Career Launchpad for COMSIANS, by Ch. Athar Mehmood, October 21, 2019.

- Awareness of Thalassemia Screening Camp, by Ms. Najma Zakir, Jahad for Zero Thalassemia, on October 24, 2019.

- Awareness Session on Health & Fitness, by Mr. Salman Amir, on October 25, 2019.

- Session on "The Big Bang, Dark Matter and Dark Energy", by Misbah Shaheen, on October 25, 2019.

- Hactoberfest in collaboration with IEEE, on October 25, 2019.

- Session on "Why Islam?" by Mr. Muhammad Ahmad, on October 28, 2019, in collaboration with IDEA Society.

- Session on Orientation on an event titled Religion and Science, by Mr. Muhammad Ahmad, on October 30, 2019, in collaboration with IDEA Society.

- Workshop on Sumo Robot, by Mr. Ch. Athar Mehmood, in collaboration with IEEE, on November 05, 2019.

- HR Practices and Interviewing Skills, by Ms. Afsheen Idrees, an HR Expert, on November 06, 2019.

- Talk on Self Development, by Mr. Sarim Shakir, on November 11, 2019.

- Astronomical Observation Session, by Dr. Rana Liaquat Ali, on November 12, 2019.

- A journey from Vehicular Networks to Vehicular clouds and Vehicular Social Networks: Solutions and Challenges, 21st November, 2019, Dr. Rasheed Hussain, Associate Professor, Head of MS, Director of Networks &Blockchain Lab at Innopolis University Russia.

- Competency based HR Certification, Mr. Nouman Ali, on November 13, 2019.

- GDG Flagship Event: DevFest Islamabad Info Session & IEEE WIE Info Session, by Areeb Siddiqui, in collaboration with IEEE, on November 14, 2019.

- Awareness session World Obesity Day, by Dr. Saima Zubair (Institute of Reproductive Medicine), on November 15, 2019.

- ACM Distinguished Speaker Talk Towards Future Internet Architecture, by Dr. Rasheed Hussain (Head of Networks in SNE, Russia), on November 19, 2019.

- Session on Criminal Psychology, by Mr. M. Asad Abbas Advocate High Court Qaiser Imam, on November 26, 2019.

- Science and Engineering of Hubble Space Telescope, by Dr. Mansoor Ahmed, on November 28, 2019.

- Sustainable Development Goals and 2nd YLT, by Mr. Yaqoob Ali Gohar/Dr. Uzma Noor, on November 29, 2019.

- CSR visit to Apna Shelter to give out donation to Orphans, on December 01, 2019.

- HR Practices and Expatriate Pros & Cons, by Omer Zia, on December 04, 2019.

- Marketing Symposium 2019, on December 05, 2019

- Psychology in the Courtroom, by Khawaja Imtiaz Ahmed (Former Chief Justice Lahore High Court), Anum Gull (Psychologist in Punjab Prison), Kareem Nawaz Khan (Inspector Police), on December 05, 2019.

- Seerat un Nabi by Prof. Dr. Habib-ur-Rahman, IIUI Islamabad, on December 05, 2019.

- COMSATS Flagship Event ROBIAN 19, in collaboration with IEEE and IDEA, on December 06-09, 2019, at EE Seminar Hall.

- Session on Communication Skills and Our Responsibility, Shaikh Azhar, CEO, Candyland, in collaboration with IDEA, Department of Electrical and Computer Engineering, on December 10, 2019, at EE Seminar Hall.

- Women in Tech Conference 2019, with prominent speakers as Irum Zahra (founder RedBuffer), Khadija Amir (Environmental Specialist), in collaboration with IEEE, on December 12, 2019.

- Developers Weekend, on December 14-16, 2019.

- The Art of Speaking: Speak to inspire by IEEE, on December 24, 2019.

- The Leading Edge, by Ms. Noureen, Rawalpindi Chamber of Commerce and Industry, Mr. Fraz Abbasi, Zonal Head, Fauji Foods, Nurpur Milk, on December 24, 2019.

- Meet & greet with Jaffar Jackson, in collaboration with IDEA, on February 13, 2020.

- "Bridging faith and facts", by Dr. Shoaib Ahmad Malik, in collaboration with IDEA, on February 17, 2020.

- Youth Mobilization Campaign (YMC) Exposure Visit to Gawadar, Lasbela and Karachi with Voice of Baluchistan (VoB) from February 20-25, 2020 in which nineteen students from CUI participated.

- Alachisoft Recruitment Drive on February 24, 2020.

- WWF-Pakistan | Youth Development Programme launch on February 26, 2020.

- Recruitment drive / interviews by Teach for Pakistan, on February 26, 2020.

- Celebration of Women Day 2020, on March 04, 2020,

- Motivation Talk by Shaikh Mufti Tauqeer, on March 06, 2020.

- "Ask Dr. Yousuf Raza", an online session, to help people cope with the mental crisis caused by the COVID-19 virus pandemic, in collaboration with IDEA, on April 03, 2020.

- "Digital Art" by Ameer Ali, in collaboration with IDEA, on April 20, 2020.

- "My Graduation Check List" by Fizza Farooqi, in collaboration with IDEA, on May 12, 2020.

- "Digital Marketing" by Awais Ahmad, in collaboration with IDEA, on May 13, 2020.

- "How To Engage Audience", by Tauseeq Haider, in collaboration with IDEA, on May 30, 2020.

- "How Not To Fail", by Chris Do, in collaboration with IDEA, on June 18, 2020.

- "How To Present Your Startup", by Sheikh Abdul Qadir, in collaboration with IDEA, on July 03, 2020.

- "Sqa Workshop" by Saqib Rahman, in collaboration with IDEA, on July 16, 2020.

- Virtual Career Counseling Sessions by Ms. Nida Tinauli – General Manager (Talent & Culture) PTCL, October 29, 2020.

- Session on "How Technology is reshaping our workplace", by Mr. Saleemullah Baig, General Manager – Tech, PTCL, on November 07, 2020.

Chapter 07

Strengthening Physical Infrastructure

Development Projects

The Public Sector Development Program (PSDP) is the main instrument for providing budgetary resources for the development projects/ programs of CUI campuses namely Islamabad, Abbottabad, Wah, Lahore, Attock, Sahiwal, and Vehari. For upto financial year 2019-20, CUI has successfully completed 53 projects having capital cost of Rs. 8617.791 million. (Annex-B)

Infrastructure Development Projects on Public Private Partnership

The COMSATS University Islamabad (CUI) being a public sector university recognizes the importance of improving and expanding infrastructure for better service delivery to its students. Considering the financial crunch on Government funding for development works, projects were offered to private sector on built, operate and transfer (BOT) basis. In this backdrop CUI Islamabad successfully awarded two projects on Public Private Partnership (PPP) mode. Details of the projects are as under:

I) Student Service Center, COMSATS University Islamabad, Islamabad Campus

Need was felt that the CUI, Islamabad Campus requires a fully functional Student Service Center (SSC) consisting of Cafeterias for faculty and students, tuck shops, photocopy corners, etc. along with some office space to cater student related affairs. The design of the building was prepared through an in-house competition. The Center has covered area of 35,000 SFT that will provide all services for faculty and students under one roof. The building is in construction phase.

ii) Establishment of 300 KW Solar Power Plant , COMSATS University Islamabad, Sahiwal Campus

The COMSATS University Islamabad (CUI) is focusing on the use of renewable energy sources. To carry this initiative forward, working on solarization of CUI campuses was initiated. A pre-feasibility study was conducted to evaluate electricity consumption and their potential for installation of solar power generation facilities across all seven campuses. Sahiwal Campus has successfully singed Power Purchase Agreement with the private partner to establish 300-Kilowatt Solar Power Generation Facility on BOT basis. Under this Power Purchase Agreement, the seller will supply electricity on levelized tariff of Rs. 11 per unit of electricity. The successful implementation of this model is to be replicated at other campuses of CUI for low cost and clean energy source.

Physical Infrastructure

Campus	Islamabad	Abbottabad	Wah	Lahore	Attock	Sahiwal	Vehari
Location	Established in 2001 at H-8, Islamabad. Shifted to permanent newly built campus in 2008 in Chak Shahzad which is fully equipped with facilities of international standards spread over 42.7 acres.	Established in 2001 in the vicinity of Pakistan Military Academy, Kakul and built on 38.5 acres of land donated by the Pakistan Army at Tobe Camp.	Established in 2001 CUI Wah is housed in a spacious building equipped with state-of-the-art facilities spread over 15.5 Acres.	Established in January 2002, located on Defence Road, Off Raiwind Road, 30 minutes' drive from the main city spread over an area of 185 acres. with a 400,000 sq. ft covered area.	Established in 2004 on 41.5 acres land for the purpose of providing quality education to the students of far flung and underdeveloped area with state-of-the-art lab facilities. The construction of the permanent campus spread over 37.5 acres, is in progress now. 04 academic departments i.e. Electrical Engineering, Computer Science, Mathematics and Management Sciences are already operational at permanent campus.	Established in 2006 located on COMSATS Road off G.T Road Sahiwal for the purpose of providing quality education to the students of far flung and underdeveloped areas with state a vibrant educational institution in Sahiwal. The construction of the permanent campus spread over 36 acres. Three blocks along with the workshop building are completed at this location. Academic departments i.e. Management Sciences, Computer Science, Bio Sciences, Mathematics, Civil Engineering Electrical and Computer Engineering, and Mechanical	Established in 2008 initially in a temporary campus. The land allocated for permanent Vehari campus is at two different places. Currently, the permanent campus is established at one location and is spread over 52 acres. Three blocks are completed at this location and located on Near Peer Murad Adda Multan Road Excellent sport facilities with 03 Playgrounds, Fully furnished hostel girls and faculty.

Campus	Islamabad	Abbottabad	Wah	Lahore	Attock	Sahiwal	Vehari
Location						Engineering department are already operational and functional at the campus.	
Classrooms	80	57	48	65	22	46	31
Laboratories	76	79	56	86	20	38	14
Library Holdings	60,391 Books, 90 Journals	37,390 Books, 25 Journals	25,500 Books, 24 Journals	34,823 Books 70 Journals / Magazines	10,601 Books, 14 Journals/ Magazines	14,644 Books, 1 Journals/ Magazines, 3 Newspapers	10,500 Books, 1000 Cds, 08 Journals/ Magazines
Hostel Facility for students	190 female	858 (678 male and 180 female)	180 (150 male and 30 female)	1006 (630 male and 376 female)	99 (70 male and 29 female)	386 (239 male and 147 female)	55 females including 10 female faculty
Digital Library	32,000 Online Journals & 60,000 Books						
Services	Video Conferencing Facility, Wi-Fi Facility, Common room for Girls, Cafeteria, Mosque, International Library Loan, Career Development Center, Sports and Extra-curricular Societies	Video Conferencing Facility, Wi-Fi Facility, Common room for Girls, Cafeteria, Student Service Center, Mosques (for Male and Female separately),Office of Development, SSBC, ILO, Sports and Extra-curricular Societies	Video Conferencing Facility, Wi-Fi Facility, Common room for Girls, Cafeteria, Mosque, Library, Career Development Center, Sports & Extra-curricular Societies and Photocopier shop	Campus wide WI-FI Coverage, 18 Sport Grounds/Courts, Cricket stadium, Mosque, Health Center, IT Helpdesk, Video Conferencing, VPN, Online Student Facilitation Service, Online Personal and Shared Drive, Microsoft Licensing Network and Multimedia in	Video Conferencing Facility, Wi-Fi Facility, Common room for Girls, Cafeteria, Mosque, International Library Loan, Career Development Center, Sports and Extra-curricular Societies	Video Conferencing Facility, Wi-Fi Facility, Common room for Girls, Cafeteria, Mosque, International Library Loan, Career Development Center, Sports and Extra-curricular Societies, Students Online Clearance, CU-Online Portal	Video Conferencing Facility, Wi-Fi Facility, Common room for Girls, Cafeteria, Mosque, International Library Loan, Career Development Center, Sports and Extra-curricular Societies

Campus	Islamabad	Abbottabad	Wah	Lahore	Attock	Sahiwal	Vehari
Services				Classrooms, Common room for Girls, Inter Library Loan, Sports and Extra-curricular Societies, Career Development Center			

Virtual Campus Infrastructure

The infrastructure of Virtual Campus during the reporting period is given below:

Details	Information
Total Area of CIIT Virtual Campus Islamabad	Approx. 100 x 280 sq. ft.
Total Covered Area	Approx. 11,697 sq. ft.
No. of Call Center	0
No. of Labs	01
Publishing/Copying Lab	0
No. of Computers in labs (Recording /Publishing/ Editing)	10
No. of Desktops Computers For Faculty And Staff	87
Laptops	24
Digital Courseware in Online/Offline Archive	12 Degree Programs
Courses Created/Available to Date	231
Approx. Size of Digital Intellectual Content (Video Lectures, Textual Academic Material)	Over 10000 Gigabyte
Soft Copy Material	Online Video Lectures Archive (lib.vcomsats.edu.pk)
Transport Facility	05 Cars 02 Van 800 cc 01 Motor Bikes 70 cc 02

Construction Projects

The manifestation of quality education being provided at CUI is evident from the ever-increasing enrollment of the Institute. This increase demands the simultaneous augmentation in the infrastructure. During the FY 2019-20, the Government of Pakistan allocated Rs. 722.200 million for three (3) development projects of CUI. During the said period, Rs. 581.608 Million were released. The complete list of all on-going projects is given in Annexure C.

Chapter 08

Strengthening Technological Infrastructure

Digital Library / Junaid Zaidi Library

The COMSATS University Islamabad Library, located at the heart of Islamabad campus is a center of learning and known as 'Junaid Zaidi Library'. The management of Library is doing its best to provide updated resources, innovative services and exceptional facilities to the educational community of CUI and making sure that student, academic staff and researchers find themselves in a modern library.

The overall objective of the Junaid Zaidi Library is to select, organize, and maintain print and electronic resources that support the curriculum and information needs of CUI academic community and to provide convenient access to quality information resources, and an environment that encourages study and personal growth.

Junaid Zaidi Library's colorful interior and innovative furniture makes it stunning and provide refreshing and rejoicing environment, which attracts users and compel them to spend time and study in relaxing and conducive environment. Research cubicles, study carrels and discussion rooms provide excellent environment for individual and group study. The Junaid Zaidi Library is equipped with most modern technologies like Integrated Library System (ILS), RFID System, Self Check in/out System, Drop Box System and Library Management System. At present Library has 60,391 books, 90 periodicals/magazines and 02 newspapers. The detail of different kinds of electronic and digital resources is given below:

Journal Databases: Junaid Zaidi Library is providing access to more than 32,000 high quality, peer-reviewed journals, databases, and articles through HEC's Digital Library program through
http://ww3.comsats.edu.pk/library/HEC_Digital_Library.aspx and https://ciit.insigniails.com/Library/Home

HEC E-Books Library: HEC National Digital Library has launched ebrary and McGraw Hill Collections to provide around 60,000 online books and may be accessed through following link
http://ww3.comsats.edu.pk/library/hec_ebooks.aspx

Students and faculty can access these resources from inside and outside the campus through IP address and Virtual Private Network (VPN) respectively.

CUI E-Books Library: Library is also developing its own E-Books Library and at present 10,000 e-books on different discipline may be accessed through following link http://ww3.comsats.edu.pk/library/ciit_elibrary

Free Online Public Access Journals: Library is providing a unique facility by collecting and organizing the scattered, free, full text, quality controlled scientific, scholarly and peer-reviewed journals and at present more than 500 scholarly journals are available. http://ww3.comsats.edu.pk/journals/

CUI Thesis Repository: CUI community produces massive amount of research each year in the form of theses, dissertations and project reports. At present more than 9000 research work is available in CUI (Islamabad Campus) library and their information is available through the link http://ww3.comsats.edu.pk/thesis/

CUI Union Catalogue: Union Catalogue contains records of all CUI libraries holdings and allows the users to search entire CUI libraries at once by the link http://ww3.comsats.edu.pk/uc/

Library Website: Library website is another helping tool for their users to access main resources, guidelines and required information i.e. http://ww3.comsats.edu.pk/library/ In addition, the Junaid Zaidi Library is providing high quality services to the educational community of CUI and few of them are as below:
a) Online Public Access Catalogue (OPAC)
b) OPAC and Mobile App Services
c) Personalized Library Services
d) Online Reservation of Library Material
e) Online Reservation of Library Spaces and Rooms
f) Reference Services
g) Bibliographic/Books Information Service
h) Inter Library Loan
i) Electronic Document Delivery
j) Research Support Services
k) Plagiarism Detection Services
l) Citation and Referencing Services
m) Current Awareness Services

n) Selective Dissemination of Information
o) Real Time Help Services through Chat
p) User Education Services
q) VPN Access (off campus access)
r) Newspapers Clippings Services

Besides, following state of the art facilities to the educational community of CUI is being provided:
a) Collaborative Learning Spaces
b) Video Conferencing Room
c) Conference Room
d) Group Study Rooms
e) Faculty Commons
f) Information Commons
g) Wireless Internet Connectivity
h) Study Carrels
i) Research Cubicles with Computer
j) Seating Capacity for 1000 Users
k) Computer Workstations
l) Dedicated computer systems for research and use for digital and electronic resources
m) Easy Seating
n) Special Learning Zones
o) Art Gallery
p) Surveillance cameras and Security Gates

Pakistan Education and Research Network (PERN)

The PERN connects universities and research institutes through high-speed internet bandwidth. The main purpose of this network is to facilitate researchers/students in sharing data and to coordinate with each other though video conferencing. CUI Islamabad and all its campuses benefit from the PERN services which are not limited to high speed internet but also include different IT infrastructure and software packages. With the implementation of smart university project the list of IT services acquired from PERN mainly include the following:
➢ Internet Bandwidth
➢ Wifi Coverage of CUI Islamabad Campus
➢ Microsoft Licensed Office 365 and Allied Software's
➢ Video Conferencing Facilities
➢ Digital Library Services
➢ Campus CCTV Surveillance On LAN

Islamabad Campus

At CUI, Islamabad Campus the students and faculty have been provided with different PERN services which including high speed internet, video conferencing rooms and CCTV surveillance of the campus. All these services are part of Smart university project which includes different IT capacity building activities. During 2019-2020, PERN bandwidth at CUI Islamabad was increased to 673 Mbps, which also includes 300 Mbps for Smart WIFI internet solution deployed by HEC.

Abbottabad Campus

CUI, Abbottabad Campus was connected to PERN in July 2007. Initially campus acquired 04 Mbps dedicated connectivity via PERN1 project of HEC. Now the campus has high speed dedicated connectivity via PERN2 over fiber optics. Abbottabad Campus has now increased its PERN bandwidth to 311 MB. Also it has the privilege of being the active partner with PERN, since Abbottabad Campus is serving as Point-of-Presence (POP site) for Hazara and connecting regions having 01 Gbps connectivity in PERN2 long haul network.

Lahore Campus

CUI, Lahore Campus also took the internet services from PERN, and a dedicated link of 500 Mbps is currently established for the facility. Lahore Campus also facilitates its students and researchers with state-of-the-art video conferencing facilities.

Wah Campus

CUI, Wah Campus is availing 80 Mbps bandwidth facility from Higher Education Commission under PERN2 Project.

Sahiwal Campus

CUI, Sahiwal PERN bandwidth is currently at 20 Mbps per month.

All other campuses except CUI Vehari Campus (Due to unavailability of PERN fiber link) are availing PERN facility.

Video Conferencing Facilities

Video conferencing has enabled all users to connect, communicate, conference, and share information in any environment. At CUI, video conferencing is currently utilized for distance learning program (Virtual Campus), and to conduct meetings for efficient and effective use of its time and resources.

Video conferencing facility is available at all CUI campuses with varying seating capacity.

Campus Management System (CMS)

CUI approved IT policy in 2014 to streamline its services and processes in all campuses of the organization. During the reporting period, following activities were carried out by CU Online in this regard:

Coordinator Console: CUOnline has delivered the new system interfaces for program coordinators to improve their official task accomplishment simplification. Now, the Coordinator Portal has a new easy to use and robust graphical interface and offers single key solution to search and assign faculty to any offered course. Any coordinator can perform add/edit or delete session/semester-based attendance operations as well. Portal is also feature packed with full support of email base system that enhance user support, adaptability and security as well.

QR Based Attendance System: CUOnline has established QR Code based, class attendance marking system. To introduce the same, we have a strategy, at Islamabad campus in the first phase and other campuses after that. Fundamentally, in this system the teacher will flash the QR code and students will take a picture of it through their App and their attendance for that class will be automatically marked. As per current practice, class attendance marking is taking a lot of the teacher's time but now they will be able to do the same task in a minute maximum for a class of 100 students.

COVID-19 Online Support Module Implementation: During COVID-19 pandemic situation, Infection control was a shared responsibility among CUOnline fellow members, who should work collaboratively to respond appropriate requests regarding the system support. Under the conditions of active community spread of COVID-19, it was required to minimize our contact with others to the greatest extent possible, so CUOnline team has implemented an online support module to ensure 24/7 support activities while working remotely during this time period, not only to all the CUI campuses but to the other institutes (GIKI,MUST and FUI) as well to fulfill the appropriate support agreements .

Moreover, CUOnline has delivered COVID-19 based new interfaces regarding the CMS implementations at other institutes (GIKI, MUST and FUI) as per their requirements as well.

COVID-19 Student/Faculty Survey Data Collection: CUOnline has delivered a new survey interface, featured to collect online facilitation information from student across from all campuses this information was required to establish the online study enablement due to COVID-19 pandemic situation during the appropriate active sessions. COVID-19 survey data survey collected information regarding internet connection type, service provider details, bandwidth/ speed and communication medium to avail online lectures/classes during COVID-19 pandemic situation.

COVID-19 Students Course Assessment Options: CUOnline has integrated new course assessment options during COVID-19 pandemic situation for appropriate courses marks calculation as per academic counsel notification (CUI-Reg/-Notif-/20/986-988). This implementation impacts on Faculty Console for marks entry, Examination department to calculate results and generate reports accordingly and Student Console to display their online studies SP20 results at their portals as well.

COVID-19 Student's Fragmented Courses Result Implementation: During COVID-19 pandemic situation, CUOnline has implemented student's fragmented courses results to facilitate the Examination department to compute results for the appropriate courses associated with Lab work as per academic counsel notification (CUI-Reg/Notif-/20/987). This implementation impacts on the Faculty Console, the Academic department interfaces and the Examination department to calculate results and generate reports accordingly and Student Console to display their online studies SP20 results at their portals as well.

COVID-19 Student's Online Classes Coordination: During COVID-19 pandemic situation, CUOnline has ensured the displacement of online classes connectivity information at Student Console received from HEC regarding the MS-Team software (e.g. login/passwords). CUOnline team has ensured obligatory active coordination to support the students as well.

Online Admissions System: A robust Online Admissions System which was fully operational at CUI has now been made completely paperless. CUI developed a new paperless version starting from Fall 2018 admissions. This environment friendly admissions system can process complete admissions applications online with all documents scans/pictures submitted directly by the candidates eliminating need of any hardcopies sent to CUI. Hence CUOnline admissions system will be able to successfully process very large amount of digital content submissions online, for all its campuses.

The campus-wise breakdown of the submitted applications through Online Admission System during the reporting period is tabulated below:

#	Campuses	Fall 2019	Spring 2020	Total Online Applications Submitted
		Online applications submitted		
1	Islamabad	9590	4452	14042
2	Abbottabad	3614	625	4239
3	Lahore	8848	2442	11290
4	Wah	2603	467	3070
5	Attock	1040	313	1353
6	Sahiwal	2068	355	2423
7	Vehari	879	459	1338
	Total	28642	9113	37755

Online Course Offerings

CUI Course Catalog at Registrar office is fully integrated with campuses. All courses are offered directly from Registrar office based at Principal Seat Islamabad. Catalog is managed in real time by Registrar office for Program, Courses, Pre-requisites, etc. offerings to campuses. Students' fee system is integrated in the course registration process as well.

Chapter 09

Universities Building Communities

University-Community Building and Interaction

Today, university-community interaction is essential for knowledge transfer and to build a community with opportunities of learning for students. Keeping in mind the importance of community building and increasing significance of university-community interaction, CUI carried out following activities during the reporting period:

Islamabad Campus

IDEA COMSATS along with CDC organized an engaging workshop titled 'Tackling Plastic Pollution in Pakistan' in collaboration with WWF-Pakistan on September 20, 2019. Ms. Nazeefa Butt (Manager Climate and Energy at WWF-Pakistan) was guest speaker for the workshop. The workshop covers the areas regarding plastic problems in Pakistan, Municipal Solid Waste and emerging practices and way forward towards the solution.

Center for Climate Research and Development (CCRD)

➤ Dr. Ishfaq Ahmad, Assistant Professor at CCRD was invited as resource person for "Hands-on Training on "Climate Change Impact Assessment and Adaptation Strategies for Wheat and Groundnut Production Using Decision Support System", organized by Department of Agronomy, PMAS Arid Agriculture University, Rawalpindi on September 4-5 2019. 25 participants from various institutes of KPK, Punjab and Federal participated in the training.

➤ Dr. Toqeer Ahmed, Assistant Professor, CCRD, CUI was invited as a resource person for International Workshop on "Water Resources Management and Sustainable Development Strategies in Arid regions under a Changing Climate" from September 05-10 2019 at Tashkent, Uzbekistan. More than 30 researchers mainly from Uzbekistan and other countries like Nepal, India, Pakistan, Switzerland, Kazakhstan, Tajikistan etc. participated in the said training workshop. The training workshop was organized by IWMI office at Tashkent, ETH Zurich, SDC China, Hydrosolutions Zurich and Institute of Hydrogeology and Engineering Geology under State Committee on Geology and Mineral Resources (UzhydroEngeo), Tashkent Uzbekistan.

➤ Dr. Toqeer Ahmed, Assistant Professor, CCRD, CUI visited ETH Zurich and Hydro solutions Ltd at Zurich, Switzerland between September 29 2019 to October

05 2019 for consultative project meeting in the framework of SDC funded project.

➤ Dr. Anjum Rasheed, Assistant Professor, CCRD delivered a lecture on 'Environmental Impacts of Development Projects' on January 23, 2020 during Training Course 'Environmental Impact Assessment (EIA) for Development Projects' organized by the National Centre for Rural Development (NCRD), Islamabad.

➤ Dr. Anjum Rasheed, Assistant Professor, CCRD delivered a lecture on 'Mainstreaming Climate Change into EIA Procedures' on January 23, 2020 during Training Course 'Environmental Impact Assessment (EIA) for Development Projects' organized by NCRD, Islamabad.

➤ Dr. Anjum Rasheed delivered a talk on 'COVID-19 & Environmental Sustainability: Implications and Way Forward' for the webinar 'Climate Change Risks and Impacts on Vulnerable Communities Post COVID-19' organized by Centre of Excellence for Research and Applied Studies on Climate Change and Sustainable Development (C3SD-NRC), Egypt on July 08, 2020.

Centre for Policy Studies

➤ CPS organized a webinar panel discussion on on Policy Making in a Post-Covid 19 World on July 10, 2020. The panelist at the discussion covered aspects of general public policy, the psychological aspects, the environmental aspects and aspects of foresight. Dr. Imran Syed, Head CPS, covered complexity and policy, Dr. Mumtaz Fatimah Jafri Head, Faculty Development Academy, gave a talk on "Covid 19 and Psychological Well-being", Mr. Hassaan Fayyaz Khan Sipra, Scientific Officer, CCRD on "Environmental Aspects of Covid 19", and Mr. Umar Sheraz, Senior Research Officer, CPS, gave a presentation on "Foresight for Policymaking.

Department of Management Sciences

➤ Rescue 1122 was invited on December 5, 2019 to conduct a training session on First Aid by Ms. Sana Sadiq for the class of Bio Sciences for the Management Course.

➤ Final round of the Hult Prize On-Campus Programme was conducted on December 12, 2019 by BEAMS Society under the supervision of M. Zehra Sayyid, Assistant Professor and Dr. Tahir Mumtaz, Assistant Professor. Reputed Judges from Rawalpindi Chamber

of Commerce and Industry and other reputed organizations were invited to evaluate short listed 8 teams. This year 3 teams (Two teams from Department of Electrical and Computer Engineering and one team from the Department of Management Sciences) have been selected for the Regionals to be held in

➢ Winning Team--Toronto

➢ First Runner-Up--Tokyo

➢ Second Runner-Up--Kuala Lumpur

➢ Marketing Symposium Season 5 was organized on December 12, 2019 under BEAMS Society. The organizing team comprised of Mr. Muhammad Umer, Lecturer, Ms. Hanniya Abid, Assistant Professor and Ms. Sarwat Kazmi, Assistant Professor with the students of BBA-8 International Marketing class. It included the Battle of Brands-an inter university marketing competition in which 8 teams participated from different Universities.

➢ A seminar on "Leading Edge" was organized by Ms. Aziza Muneer for the students of BBA-7. The purpose of the seminar was to bridge academic sales theories with current selling trends. It also focused on the role of sales in declining products or firms to regain market attractiveness. The Guest Speakers were from the industry. Ms. Noureen Ghafaar, Senior member RCCI and CEO of Roti Tukkar, a restaurant and Mr. Fraz Ahmed Abbasi, Zonal Sales Manager Fauji Foods targeting Nurpur Brand.

Department of Economics

➢ Dr. Shahzad Kouser, Assistant Professor Department Economics and Mr. Abdul Subhan student of 8th Semester Bachelors in Economics, CUI Pakistan, presented a poster presentation at conference: sustainable alternative to plastic bags: conserving environment on plastic pollution in Pakistan and plastic-bag free initiative on October 19, 2019.

➢ An event hosted by Dr. Muhammad Aamir Khan on February 20, 2020, in which Khaleel Tetlay, CEO RSPN delivered a lecture on Community Driven Development to the students of Economics Department.

➢ Dr. Aneel Salman Assistant Professor at Department of Eonomics attended as a Guest Analyst in Corona Awareness transmission "Watan ki mitti gawah rehna" on ATV on April 15, 2020.

➢ Dr. Aneel Salman Assistant Professor at Department of Economics delivered lectures on 'Deciphering Pakistan Economy' and 'Economic History of Pakistan' to 47th CTP at Foreign Service Academy Islamabad August 2020.

Department of Electrical and Computer Engineering

➢ Over 200 students and faculty members of Islamabad Campus took charge of the plantation campaign on September 6, 2019 on Defense Day by planting nearly 2,000 trees in green belt adjacent to Koral on Islamabad Expressway. Rector CUI called on students to 10X the number of trees in Islamabad. Mr. Sheikh Ansar Aziz, Mayor Islamabad joined the ceremony and planted a tree as part of the Government's efforts for Clean and Green Pakistan.

➢ IEEE organized a First Aid Awareness Session on December 12, 2019 with the help of Pakistan Red Crescent between 1:00 PM and 2:30 PM. PRC had planned for the event to be not just a demonstration, but an interactive session where the audience could get hands on with the activities.

Department of Mathematics

➢ The Department of Mathematics, Islamabad Campus organized a talk session regarding Future Perspective of Data Science as a Mathematician was held on September 26, 2019. Dr. Tayyaba Nawaz, Assistant Professor was its speaker.

➢ A highly successful colloquium talk on Mathematics of Machine Learning was held on February 04, 2020. The abovementioned talk was widely appreciated by the participants of the various departments of CUI as the audience was above 100 people from different departments of CUI, compromising of faculty and students. Prof. Dr. Abdul M. Khalique, University of

Tennessee, USA was the guest Speaker.

- An event (interactive talks) in connection with the IDM (International Day of Mathematics) was organized by the Department of Mathematics, Islamabad Campus on March 13, 2020 with the theme "Mathematics is everywhere. It is major event compromising on three sub-events in which above 150 individuals are expected to participate. The event is conducted to celebrate the importance and impact of Mathematics.

Department of Architecture and Design

- Exhibition entitled, "MERA SHEHAR" was conducted by Ar. Muhammad Waqas, Assistant Professor, Department of Architecture, Islamabad Campus on Sept. 05, 2019. The said event was inaugurated by Ar. Rita Soh, President, Arcasia.

- Ar. Taimur Khan Mumtaz from "Hast-o-Neest " – Institute of Traditional Studies and Art, Lahore delivered a lecture on Islamic Art and Architecture on Sept. 26, 2019. The faculty and students from the Department of Architecture attended the said event.

- The Department of Architecture, CUI, Islamabad Campus and China Study Center, CUI, Islamabad Campus in collaboration with Cultural Office of Embassy of People's Republic of China organized a lecture entitled, "Artistic Interaction between China and the Central Asia Jades from 15th to 18th Century on Oct. 23, 2019. The said lecture was delivered by Mr. Xu Xiaodong, Associate Professor, Department of Arts, Chinese University of Hong Kong, China.

- A group show of Artists, Architects and Designers entitled, "IAF 19 MY Traditions verses Our Modernity" was held at Art Gallery, CUI, Islamabad Campus on November 21, 2019. Ar. Muhammad Waqas, Assistant Professor, Department of Architecture, CUI, Islamabad Campus participated. Mr. Jamal Shah, Chief Curator, IAF 19 was the chief guest of the event.

- Prof. Pervaiz Vandal, Pro Vice Chancellor, Institute of Art and Culture delivered a lecture at the Department of Architecture, COMSATS University Islamabad (CUI), Islamabad Campus. Faculty and students attended the lecture on March 9, 2020.

Wah Campus

- A one-day training session on Safety and First Aid was conducted for Faculty/ Staff and Students of Wah Campus on September 19, 2019. The training was conducted by Punjab Emergency Service, Rescue 1122, Station In charge, Taxila and his team. The trainers briefed audience about work safety and first aid services to be provided in case of emergency. The trainers/technical team of Rescue 1122 provided hands on practice to handle emergency situation, first aid and to use fire extinguishers to control fire.

- CUI, Wah Campus organized a seminar with the aim of raising awareness of traffic rules and regulations among students and employees. The seminar was conducted by the officers of National Highway and Motorway Police N-5 North Zone-1 Section on October 24, 2019.

- A blood donation camp was arranged by CUI Wah Blood Donation Society for donation of blood to Pakistan Red Crescent Society on November 26, 2019. More than 93 bags of rare blood groups were donated by the students, faculty and staff of Wah Campus.

- A seminar on "Anti-Corruption" was conducted at CUI, Wah Campus on December 4, 2019 in connection with the celebration of Anti-Corruption Week and to spread knowledge against corruption, highlights how the corruption has crushed society and tackle challenges to fight against corruption in Pakistan. The guest speaker, Mr. Attique Raza shared the tips/ways with youth to handle corruption and to make our country prosperous. The speaker reiterated that in our daily dealings we have to adapt uncompromising strong

moral, ethical principles and values to fight against immoral thoughts.

Abbottabad Campus

➤ The student body of the Department of Environmental Sciences established the Environmental Protection Society which focuses on various projects related to environmental issues within the campus and outside the campus in the wider community. From October 12-19, 2019, the Environmental Protection Society took a week-long initiative of creating awareness as well as encouraging the use of fabric bags and avoid the use of plastic shopping bags. For this purpose, students of the department distributed fabric bags among the students, faculty and wider public outside the university. The effort was to also support the government's ban on the use of plastic shopping bags.

➤ On December 12, 2019, the department organized a training course for the students of fifth semester studying Natural Hazards and Management of Natural Disasters course. The training was conducted by the staff of Rescue 1122 and focused on the provision of first aid training and precautions to be taken to avoid any accidents at home.

➤ On March 10, 2020 CUI, Abbottabad campus in association with the Norwegian University of Life Sciences and Rozan organized an international Conference on Community Policing and Post-Conflict Police Reform in Pakistan at Serena Hotel Islamabad. The conference focused on sharing knowledge and experiences from the European Commission's Horizon 2020 funded project extended over five years in 11 post-conflict countries, including Afghanistan, Pakistan, Uganda, Kenya, Somalia, Nicaragua, Guatemala, El Salvador, Kosovo, Serbia, and Bosnia and Herzegovina.

➤ On March 13, 2020; a one-day symposium on awareness, preventive measures and research prospects of COVID-19 was organized by the Biotechnology Society, Biotechnology Department of CUI, Abbottabad Campus. The program included a panel discussion moderated by Dr. Amjad Hassan, Head followed by a talk by an invited speaker from Swabi University. A good number of audiences attended and benefitted from the seminar. In the end Director Abbottabad Campus Prof. Dr. Arshid Pervez thanked the panelists for providing an insight on this topic of mass concern

Lahore Campus

➤ Event Management Committee of the Department of Management Sciences conducted one day activity in liaison with City Traffic Police (CTP), Lahore. CTP team visited CUI, Lahore Campus on November 18, 2019, and issued Driving Learner License on spot. The objective was to raise the awareness of road/traffic sense as a responsible citizen.

➤ A seminar titled "Regional Cooperation" on December 09, 2019 was held to commemorate Charter Day with a view to raising awareness of the people about SAARC and its activities, thereby enhancing South Asian identity and solidarity within the Region and beyond. The Guest speaker was Mr. Akram Somro, Assistant Professor, Institute of Communication Studies Punjab University-Fellowship University of Arizona.

➤ A team of COMSATS Management Club under the supervision of Ms. Rabail Tariq and Ms. Marrium Hurr successfully organized a CSR campaign "A Day with Special Children" at Ghazali Education Trust, Lahore on December 24, 2019. Gifts were distributed among the children. It was a joyful experience spending a day with all the special children.

➤ An Awareness Seminar on "Corporate Social Responsibility" was organized on February 27, 2020. Ms.Sadia from Care Foundation conducted the session as a guest speaker. Students from different batches attended the session.

➤ UK, Pakistan Science Innovation Global Network (UPSIGN) joined hands with UK Research & Innovation (UKRI) via Global Challenges Research Fund (GCRF) to organize 3 global development workshops in Islamabad, Pakistan, from March 9-12, 2020. IRCBM, CUI Lahore Campus and CUI, Islamabad

were leading national collaborator in this event. The workshops were also supported by the British Council, Faraday Institute, Pakistan High Commission London, Ministry of Science and Technology, Higher Education Commission of Pakistan and Common Purpose, UK. The purpose of these workshops was to address the challenges associated with sustainable development in healthcare, food and energy sectors within Pakistan and to make fruitful connections between leading experts in the aforementioned areas. Around 140 academics from Pakistan, UK and other countries travelled to Islamabad to participate in these workshops.

Sahiwal Campus

➢ A Free Diabetes Screening Camp and Awareness Seminar was held at the Campus on February 19, 2020. Senior Registrar/Diabetologist, DHQ Teaching Hospital Sahiwal, Dr Sarfaraz Ahmad Khan delivered diabetes awareness lecture.

➢ Department of Biosciences organized an awareness seminar on Novel Corona Virus (COVID-19) on March 04, 2020. Guest speakers Dr. Muhammad Hassam Rehm MBBS, MHM (Australia), Assistant Professor-Community Medicine at Sahiwal Medical College and Dr. Muhammad Waseem MBBS, FCPS, Assistant Professor and HOD Pulmonology/Chest Medicine at, Sahiwal Medical College, gave awareness talks on COVID-19.

Vehari Campus

➢ During the reporting period, CUI, Vehari campus signed MoU with Rescue 1122 for safety awareness to students and employees. The campus also signed MoU with district government of Go Green Initiative for green district.

➢ International Human Rights Day was celebrated at CUI, Vehari Campus on December 10, 2019. Respected Capt.(R), Waqas Rashid, Deputy Commissioner Vehari was the Chief Guest. He elaborated the importance of International Human Rights Day and emphasized on resolution of Kashmir Issue in accordance with the United Nations' resolution. He shared series of steps taken for human rights protection in Dera Ghazi Khan and Bhakkar districts during his administration as Deputy Commissioner there. He emphasized on creating awareness among youth to overcome the evils of human rights violation. After conclusion of Seminar, awareness walk was arranged from New Building to the Administration Block. Chief Guest planted a plant in the campus under Prime Minister of Pakistan's Clean Green Pakistan Campaign.

➢ In line with vision of the Federal Government and instructions from the NAB Headquarters and the HEC, Anti-Corruption Awareness Campaign was held at the Campus on December 10, 2019. Mr. Khalid Mehmood Gillani, ADC(G), Vehari was the Chief Guest. He was accompanied by Mr. Ahmad Naveed, Assistant Commissioner, Vehari. The Chief Guest was received and welcomed by Dr. Muhammad Shahid, Associate Professor/ Head of Environmental Sciences alongwith all Heads and Section In-charges. Afterwards, a Seminar was arranged in Auditorium followed by an awareness walk. Apart from the Anti-Corruption Awareness Campaign, the Chief Guest and other dignitaries planted plants in the campus under Prime Minister of Pakistan's Clean Green. A painting poster Competition on Anti-Corruption Theme was also held on December 12, 2019.

Alumni Affairs and Achievements

- Alumni are valued and considered a part of CUI family. Following activities were carried out at various CUI campuses with regards to alumni during the reporting period:

- Alumni office of CUI, Vehari Campus arranged a get-to-gather of Alumni Association of Department of Management Sciences on October 09, 2019. The aim was to activate the Alumni Association and enhance their role in academia and industry linkages. Dr. Imran Khan explained the objectives of Alumni Committee. Invited alumni members introduced their current jobs and designations. And they further explained how they can help in job fair and other departmental events.

- The Department of Management Sciences, CUI, Wah Campus organized "Alumni Home Coming" reunion get-together on December 27, 2019. More than 200 alumni, former faculty members and graduating students attended the event. Election of Management Sciences Alumni Association (MSAA) was also conducted followed by the oath taking ceremony. The Director Campus, Dr. Sajjad Ahmad Madani, Head, Department of Management Sciences, Dr. Abdul Qayyum Khan along with senior faculty members welcomed the distinguished guests. Dr. Madani emphasized that to strengthen the CUI, Industry linkages and social bounding through alumni plays an important role. The alumni, graduating students and faculty members had an excellent time with each other. The Director Campus presented the Campus souvenir to the guests and Alumni for their achievements and performance.

- The Department of Electrical and Computer Engineering, CUI, Attock Campus arranged an Alumni Talks "University to Corporate World" on February 19, 2020. Three Alumni including Mr. Babar Ali Channa (Design Engineer, PAC Kamra), Mr. Talha Nadeem (AI Developer SiParadigm), and Mr. Hassan Hayat (Design Engineer, PAF Peshawar) visited the campus and interact with the enrolled students.

Chapter 10

Sports

Inter-departmental Sports

There are multiple departments at CUI and students from each department actively participate in inter-departmental sports events to score and claim the trophy for their department. A week long slot is allocated in the schedule of every semester for students' week. The week offers students a short pause to recover from hectic and exhausting academic activities. Students participate in various co-curricular activities where they get ample opportunities to bring out their covert natural abilities. Students' week also provides youth at the CUI with the prospects of working in collaboration, exercising leadership potential, taking initiatives and improving their social and behavioral skills.

Islamabad Campus

Students' Week was organized in Fall 2019 (October 19-23, 2019) at Islamabad campus. Inter-departmental competitions were organized for the sports like Football, Badminton, Basketball, Chess, Cricket, Table Tennis, Volleyball, and Tug of War for both male and female at inter-departmental level. CUI Islamabad Campus Sports Section Organized HEC Premier League Cricket Men Championship Provincial Level (Federal Zone) 2019-20 in Collaboration with Higher Education Commission from February 10-15, 2020.

Wah Campus

The "Student Week" was organized in CUI, Wah Campus from October 18-24, 2019. Various sports and other competitions were conducted including Volleyball, Badminton, Table Tennis, Cricket, Football, Naat & Qirat and Urdu/English Debates.

Abbottabad Campus

In Fall 2019, students week was held with healthy competitions. The participating teams were Electronics Engineering, Civil Engineering, Computer Science, Earth Sciences, Development Studies and Pharmacy. The Winning team was from Electronics Engineering department, runner up was Department of Earth Sciences. Basketball League Matches were also arranged. Four best teams were selected for league matches, Civil Engineering won the match, and Runner Up was Computer Science department. Faculty matches for Badminton also took place. However, in Spring 2020 due to COVID-19 formal tournaments and competitions could not take place.

Lahore Campus

The students of Department of Management Sciences

actively participated in all the sports activities of students week held from October 19 to 23, 2019 and won 1st position in Badminton, Table Tennis, Football, BasketBall, Cricket Hard Ball Super Six, attained first and second position in Ball race, secured Second position in 100 meter race and in 100 meter sack race, Winner in the 200 meter race. Besides boys, girls also took first, second, third & forth position in Cycling race girls, also secured first and second position in 100 meter race girls, 100 meter sack race girls and in Tug of War. Overall Winner Trophy was won by the Department of Management Sciences. Various friendly matches were played during the reporting period: some of them are mentioned below:

➢ A friendly cricket match was played at CUI, Lahore Campus cricket ground on September 15, 2019 between CUI, Lahore Campus cricket team and Riphah International University's Lahore campus. CUI, Lahore Campus cricket team won the match by 30 runs.

➢ A friendly cricket match was played at CUI, Lahore Campus cricket ground on September 22, 2019 between CUI, Lahore Campus cricket team and Pakistan cricket club. Lahore Campus cricket team won the match by 04 wickets.

➢ A friendly football match was played at CUI, Lahore Campus football ground on September 27, 2019 between CUI, Lahore Campus football team and FAST University Lahore campus. Lahore Campus football team won the match by 2-0 goals.

➢ A friendly football match was played at CUI, Lahore Campus football ground on October 04, 2019 between CUI, Lahore Campus football team and BNU Lahore. Lahore Campus football team won the match by 1-0 goals.

- A friendly cricket match was played at CUI, Lahore Campus cricket ground on November 01, 2019 between CUI, Lahore Campus cricket team and Beaconhouse School System cricket team. Lahore Campus cricket team won the match by 60 runs.

- A friendly cricket match was played at CUI, Lahore Campus cricket ground on December 28, 2019 between CUI, Lahore Campus cricket team and Johar town cricket club. CUI, Lahore Campus cricket team won the match by 03 wickets.

- A friendly cricket match was played at CUI, Lahore Campus cricket ground on February 21, 2020 between CUI Lahore cricket team and Raiwind cricket academy. Lahore Campus cricket team won the match by 35 runs.

- The Team Lahore Qalandars visited CUI, Lahore Campus on February 11, 2020 to play a friendly Cricket Match between Lahore Qalandars and COMSATS Cricket Team. Lahore Qalandars team won the match.

Attock Campus

Various inter-departmental sports activities were organized during the reporting period. The official opening ceremony of Students Week Fall 2019 took place on October 18, 2019 at the Cricket Ground, CUI Attock, New Campus. Director CUI Attock Campus, Dr. Abdul Rehman inaugurated the Students. As per Calendar of Sports Activities Fall 2019, an Inter-departmental Basket Ball match and Tug of War Tournament (Boys Team) between Green and White teams of CUI Attock Campus was held on September 25, 2019 in CUI Attock Old Campus. CUI Attock Green Team won by 5 points. An Inter-departmental Table Tennis (Boys) match was also played between teams of respective departments

was held on October 02, 2019 in CUI Attock, New Campus. The Computer Science team won the final match by 4 points.

On the closing ceremony Worthy Director congratulated the winner teams and other participating students for their enthusiastic participation in the games. At the end of thrilling and exciting sports week, the boys team of Department of Computer Sciences maintained the winning attitude and spirit and once again emerged as the champions by winning champions trophy. The boys runner-up trophy was grabbed by the Department of Management Sciences. On the other hand, the girls team of Department of Management Sciences won the champions trophy while the Department of Mathematics stood second and got runner-up trophy. In the end, the Director CUI Attock awarded the trophies winner and runner up teams and certificates to focal persons and organizing team of Sports and Literary events.

Sahiwal Campus

Student Week Fall 2019 was kicked off at CUI Sahiwal Campus on October 21, 2019. Capt. (R) Muhammad Ali Zia, DPO, Sahiwal was the Chief Guests. Prof. Dr. Salem Farooq Shaukat, Director CUI, Sahiwal along with Dr. Shahzad Saleem, Incharge Student Affairs, Mr. Safdar Ali, Convener Media Committee, Sports Assistant, all Heads warmly welcomed the guests at the opening ceremony of students week. A large number of faculty/ staff members, students and media representatives were also present on the occasion. During ceremony, tug of war competition among students was held whereas, the cricket, hockey and football competitions were also the among the sports activities.

Vehari Campus

Various games were conducted in Fall 2019 semester for male students i.e. Races, Skipping, Tug of war, Cricket, Badminton, Dart Board, Carrom and Musical Chair etc. The details are tabulated below:

#	Game	Male Winner	Female Winner
1.	Cricket	HUM	CS
2.	Foot Ball	CS	-
3.	Volley Ball	MS	-
4.	Table Tennis (Single)	MS	-
5.	Badminton (Single)	CS	CS
	Badminton (Double)	CS	CS
6.	Indoor Games (Dart single)	MS	MS
	(Dart Double)	MS	-
	Indoor Games (Carrom single)	MS	ES
	(Carrom Double)	ES	-
7.	Athletics (Jawelin throw)	HUM	-
	Disc throw	CS	-
	Hammer throw	MS	-
	100m race	CS	-
8.	Tug of War	-	CS
9.	Computer Games	CS	-
10.	Skipping Rope	-	MS
11.	Musical Chair	-	MS
12.	Musical Chair (Staff)	-	Admin

On side of females, total eight games were played; Races, Skipping, Tug of war, Cricket, Badminton, Dart Board and Musical Chair. All five departments of the university participated in this event. Mathematics department was launched, for the first time, in this session. List of sports activities alongwith winning departmental teams is given in the below:

#	Game	Winner Department
1.	Cricket	CS Dept.
2.	Badminton (Single)	Math Dept.
3.	Badminton (Double)	CS Dept.
4.	Skipping	MS Dept.
5.	Tug of war	CS Dept.
6.	Dart Board	Humanities
7.	Race 100 Meter	CS Dept.
8.	Musical Chair	Humanities

Besides, a friendly cricket match was played between teams of Pakistan Air Force and CUI, Vehari Campus Faculty at Vehari Campus on September 12, 2019.

Inter-Campus Sports Events

CUI Islamabad Campus Cricket (Men) team participated in COMSATS Inter Campus Cricket Championship organized by CUI, Abbottabad Campus from (October 25-27, 2019). The winner was CUI's Abbottabad team and Islamabad Campus team remained as a runner up team.

Participation in National Championships

1. Squash (Federal Zone): CUI Islamabad team Participated in HEC Premier League Squash Men Championship Provincial Level (Federal Zone) 2019-20 Organized by NUST University, Islamabad from March 1-4, 2020.

2. Football (Federal Zone): CUI Combined team (Islamabad, Lahore, Sahiwal campus) Participated in HEC Premier League Football Men Championship Provincial Level (Federal Zone) 2019-20 organized by MUST University, Mirpur from February 16-23, 2020.

3. Hockey (Federal Zone): CUI Combined team (Islamabad, Lahore, Sahiwal campus) Participated in HEC Premier League Hockey Men Championship Provincial Level (Federal Zone) 2019-20 organized by International Islamic University, Islamabad from February 24-28, 2020.

4. Cricket (Federal Zone): CUI Combined team (Islamabad, Lahore, Sahiwal, Abbottabad campus) Participated in HEC Premier League Cricket Men Championship Provincial Level (Federal Zone) 2019-20 organized by CUI from February 10-15, 2020.

Besides CUI Islamabad women team participated in HEC Premier League Cricket Women Championship Provincial Level (Federal Zone) 2019-20 organized by CUI from February 18-22, 2020.

Achievements at National Level

Students from CUI campuses strive to play and win for their Institute. During the reporting period, following positions were achieved by CUI's teams in various national championships:

➤ Organization of Trails for HEC Women Team for participation in National Games 2019: CUI Islamabad Campus Sports Section arranged Tennis Women Trails for the selection of HEC women Tennis team for participation in 33rd National Games 2019 at CUI Islamabad Campus Tennis Court on October 14, 2019.

➤ Awards for Managersship of HEC Tennis Women Team: Mr. Muhammad Mushtaq Incharge/Manager Sports was nominated as manager of HEC Tennis Women Team for 33rd National Games 2019 organized by KPK from November 10 to 16, 2019 at Peshawar.

➤ CUI Islamabad Campus Sports Section Organized HEC Premier League Cricket Men Championship Provincial Level (Federal Zone) 2019-20 in Collaboration with Higher Education Commission from February 10-15, 2020. Sixteen (16) Universities participated in this championship including COMSATS combine team (Islamabad, Lahore, Abbottabad, Attack campuses). Winner COMSATS team and Runner up International Islamic University Islamabad 3rd Position Quaid-e-Azam, Islamabad & 4th Position AIR University Islamabad.

➤ CUI Islamabad Campus Sports Section Organized HEC Premier League Cricket Women Championship Provincial Level (Federal Zone) 2019-20 in Collaboration with Higher Education Commission from February 18-22, 2020. Sixteen (16) Universities participated in this championship including COMSATS. Winner International Islamic University Islamabad COMSATS team and Runner up MUST, Mirpur 3rd Position COMSATS & 4th Position FAST University Islamabad.

➤ Department of Mathematics organized a highly successful "Super Cricket League" from 24-27 February, 2020, with 06 teams compromising of Mathematics faculty & students. The event was partially sponsored by "Jazz Cash".

Chapter 11

Universities Building Leadership

Student Leadership (Co-curricular Activities)

Personal development of a student cannot be achieved without engaging him/her in co-curricular activities to bring out the hidden talents and inculcate confidence, team work, discipline, positive thinking, pressure handling, and leadership qualities. CUI students arrange and participate in a variety of co-curricular activities like exhibitions, expos, competitions, etc. and they are provided with this opportunity during the students' weeks organized biannually at all CUI campuses.

- ➢ Mr. Abdul Subhan (8th Semester Student of BS in Economics), Islamabad Campus hold high Pakistani flag in an International Conference Agriculture, Environmental and Food Research (AEFR-2020) on September 8-9, 2020, China. Title of paper was "Climatic and Macroeconomic Shifts on Maize Price Puzzle Idiosyncrasy over Pakistan: An Application of Machine Intelligence". The conference was planned to be held in China. However, due to the current COVID-19 pandemic situation, it was made a virtual event.

- ➢ A student of COMSATS University Islamabad, Sahiwal Campus, Naima Zahoor, succeeded in securing top position at the Provincial Chief Minister's English Speech Competition 2019 held on September 23, 2019. The Competition was held at the Government Islamia Postgraduate College for Women, Cooper Road. The Director CUI, Sahiwal Campus Prof. Dr. Saleem Farooq Shaukat congratulated her and said that co-curricular activities help to develop students' intellectually and boosts self-confidence.

- ➢ Developers Students Club was inaugurated on October 04, 2019 at CUI Sahiwal Campus. DSC is a Google-accredited program in which students will be provided training on Android, Web Development, Firebase and Machine Learning. Students who participate in training programs will receive certification from the DSC. On the occasion, Team Leader Mohammad Yasser welcomed the guests and introduced the DSC. Mohammed Yasser is a student of computer science department at CUI, Sahiwal campus who successfully selected Google DSC team leader through an online interview.

- ➢ Student Chapters of IEEE and IET of CUI Lahore Campus held a mega event named "Tech Fest '19" series of educational and recreational activities during the Student Week of Fall 2019 semester October 21-23 2019. Dr. Muhammad Ahmad Farooqui, Head Academic and Research inaugurated and graced the occasion. Faculty/ Staff and Students of the department participated in Student Week activities.
  - ➢ Street Cricket
  - ➢ Finger Painting
  - ➢ Fi-Tek
  - ➢ Quiz of money Heist
  - ➢ Wall of Planets
  - ➢ Snake and Ladder
  - ➢ Minute to Win It
  - ➢ PUBG
  - ➢ Tower Challenge
  - ➢ Bubble Soccer
  - ➢ Straight Drive

- ➢ On October 22, 2019, Fun Gala was conducted at 10:30 am in Cricket Ground, New Attock Campus, including Art & Literary activities like Skits Competition, Quiz Competition, Bait-Baazi, etc., in which several performances took place on a stage. On the other side, students of respective departments placed various stalls in a round form to give it shape of a fun fair representing Pakistani Culture food, Clothing, Gaming, Literature and other technology products. The worthy Director visited various stalls of different products and observed the arrangements by organizing team. The event of Fun Gala started with the name of Allah and His beloved prophet Hazrat Muhammad (S.A.W) and then various literary activities was conducted among all the four departments. External judges were invited for Bait Bazi Competition who announced the results and appreciated talent in students and got souvenirs from worthy Director as token of appreciation.

- ➢ 1st Inter-University Essay Writing Competition at CUI Lahore Campus was held on October 22, 2019. A large number of students attended the writing event. Faculty members Ms. Kainat Khalid, Ms. Sara Khan and Ms. Noor Ul Ain from Humanities department

organized this writing gala. Different universities of Lahore participated in the event. The winners and organizers received certificates by the chief guest at the prize distribution ceremony and cash prizes of Rs. 20,000, Rs. 15,000 and Rs. 10,000 were awarded to the 1st, 2nd and 3rd position holders respectively.

➢ Ms. Zayb un Nisa Ghani, student of BS (Architecture) went to Karachi/Makli to attend International Conference and Workshops entitled, "Earth and Heritage Calling: The Case of Makli & Karachi" organized by International Network for Traditional Building, Architecture and Urbanism (INTBAU), from November 14 – 17, 2019.

➢ Over 35 students from 8 universities and institutes across the Sahiwal Division participated in the "Inter Universities Programming Competition 2019 (IUPC'19)" held on November 26, 2019, powered by Subway, Sahiwal. Enthusiastically participating in the IUPC'19, and organized by Department of Computer Sciences Society (CSS) at CUI, Sahiwal Campus, the students demonstrated their expertise and skills in IT competition. The objective of the event was to provide an opportunity to future IT professionals to exhibit their skills and to get them familiarized with the latest trends of the fast-developing IT sector. Teams from University of Lahore, Govt. College University, Faisalabad, Govt. Women Post Graduate College, Govt. Boys Post Graduate College, University of Central Punjab, AIRD University, CUI, Sahiwal and Vehari participated in this event.

➢ Society of Management Sciences (SSM) organized "Grand Semester Dinner FA19" on November 27, 2019 at CUI Sahiwal Campus. The theme of the party was "Rock n Roll". Faculty / Staff Members and students participated in the party. Worthy Director, CUI Sahiwal Campus, Prof. Dr. Saleem Farooq Shaukat and HoDs of other departments also graced the occasion with their kind presence.

➢ IEEE EMBS arranged a Python Workshop on November 28, 2019 in the Department of Electrical and Computer Engineering Islamabad Campus. Data types, basic arithmetic problems, data structures, looping, and logic building were covered in this session. There were 48 students attendees who received certificates of participation after the event.

➢ Water rocket competition was organized on December 26, 2019 at CUI Wah Campus by American Institute of Aeronautics and Astronautics (AIAA) student chapter. Students designed water rockets being part of Dynamics course. Range and height of their rocket was measured and positions were declared by the Jury.

➢ Electrical and Computer Engineering Department, Islamabad Campus hosted ROBIAN '19, the 9th Annual Robotics Contest in CUI. ROBIAN was held at a national level for the second time. The organizing bodies for ROBIAN'19 were IEEE CUI and IDEA Society. There were 20 ambassadors and a total of 177 teams with around 500 students, out of which 27 teams were from other universities. The theme for the senior league was to compete with each other with line tracking robots and for the junior league was to make sumo wrestling robots. The event officially started with the opening ceremony on December 6, 2019 and concluded on December 09, 2019.

➢ Students from batch FA17-BS(CS)-A&B of Department of Computer Science CUI Sahiwal Campus under the supervision of Dr Majid Hussain (AP), Mr. M Usman Nasir (Lecturer) and Ms Aneeqa Khawar (L.E) visited

PDC KICS Lahore on December 12, 2019 for Networking and Cyber Security Technologies Workshop. The purpose of the visit was to introduce students with the upcoming trends in the domain of cloud computing and its security, Artificial intelligence, 5G networks along with their practical implementation using the top of the list hardware from CISCO and Huawei.

➢ Students of ASHRAE Society under the umbrella of Mechanical Engineering Department, CUI Sahiwal Campus took part in the multiple events of Thermocon in GIKI Topi Swabi on February 19, 2020 and won best ambassador award among 32 universities. Also, students stood runner up in quiz mania and crime scene events. This 2 day event in GIKI helped students to explore their co-curricular and Interpersonal skills.

➢ Faculty and 6th Semester students of BS (Arch), Islamabad Campus participated in the Second Human Capital Summit: Girls Learn Women Earn, on February 20, 2020. The venue of the Summit was Pakistan National Council of Arts, Islamabad.

➢ A delegate from COMSATS University Islamabad visited Southern Pakistan under Patronage of Headquarters Southern Command and Government of Baluchistan from February 20-25, 2020. From Economics Department Mr. Abdul Subhan and Ms. Aamna Ahmad bachelor's students of 8th semester enjoyed the trip. However, 160 students got selected from Lahore and Islamabad universities, particularly COMSATS, NUST, Bahria, Air, QAU and GC.

➢ February 29, 2020 – A delegation of CUI, Sahiwal Campus under the umbrella of COMSATS Literary Society (CLS) participated in the 5th Youth Leadership Parliament 2020 (YLP 2020) held at LUMS Lahore. This delegation secured 7/10 awards and won the Best Delegation Trophy.

➢ Mr. Adnan Muhammad Khawaja (Masters Scholar in Economics), Islamabad campus presented paper at 1st Multidisciplinary National Conference (MEET-2020) held in March 04, 2020. The conference was held in University of Jhang.

➢ Engr. Adil Khalil, who completed his BS at Department of Electrical & Computer Engineering, Islamabad Campus in 2019 and did his Final Year research with Medical Image Processing Research Group (MIPRG-www.miprg.com) was selected for National Taiwan University of Science and Technology(NTUST)

Scholarship awarded by Taiwan Government to do Masters in Biomedical Engineering (Fully Funded). He has already started his studies at NTUST in March 2020.

Faculty Leadership

➢ Dr. Abdus Sattar Abbasi Head CIF, CUI Lahore Campus delivered a training session titled: "Leadership and Management in Healthcare System" to medical superintendents (MS) and to be medical superintendents of WAPDA hospitals on September 05, 2019.

➢ Prof. Dr. Muhammad Aslam Noor, mathematics Department, CUI Islamabad campus was the invited speaker at the Workshop titled "Recent Trends in Applied Mathematics", which was held on September 16, 2019 at King Saud University, Riyadh, Saudi Arabia. He delivered the lecture on the Recent Developments in Variational Inequalities and Numerical Methods.

➢ Dr. Aneel Salman, former Head of the Department of Management Sciences and currently HoD, Economics alongwith Dr. Usama Saleem Under-graduate Incharge were invited along with 20 BBA/BAF students to attend the launch of Pakistan's indigenously developed Artificial Intelligence driven database of criminals related to Narcotics and Money Laundering. Dr. Arif Alvi, President of Pakistan and Mr. Shehryar Khan Afridi, Minister of Narcotics Control invited the faculty members and students at the President House on September 17, 2019 to witness the event.

➢ Dr. Anjum Rasheed from CCRD, Islamabad Campus attended '6th National Stakeholder Meeting' organized by U.S. – Pakistan Centers for Advanced Studies in Energy, NUST on September 24, 2019. Suggestions were given about including 'Energy Conservation' and 'Mitigation Technologies in Energy Sector' in the curriculum and research activities.

Event Management Committee, Department of Management Sciences, CUI Lahore Campus in collaboration with Government of Punjab and Bargad organization celebrated International Youth Day 2019 on October 01, 2019 at University of Home Economics Lahore. EMC, DMS participated with about 50 students from BBA & BSAF and 11 organizers along with two faculty members (Mr.M.Abubakar Siddique and Ms.Naseem Habib) as focal persons. Minister and Secretary of Youth affairs graced the event as chief guest. Participation was aimed at extending collaboration with government of

Punjab, Youth Department and with Bargad organization as well. Our organisers performed extraordinary and they received distinctions among 500 students from different universities of walled City.

Prof. Muhammad Abid, Dean, Faculty of Engineering, CUI attended a meeting on Pak-Afghan Stakeholder Consultation: The Way Forward for Benefit Sharing in Kabul River Basin (KRB) in Dubai organized by LEAD Pakistan on October 16-17, 2019 funded by PEER USAID. This was the 3rd event organized to discuss issues related to KRB. Prof. Abid is also working on KRB under funded project by PEER USAID and is member of the consultation team to discuss progress on technical as well as political aspects. Participants from Afghanistan, Pakistan and USAID attended and discussed in detail to proceed further.

Engr. Mohsin Shabbir from Department of Mechanical Engineering, CUI Wah Campus attended an international workshop under CPEC chapter held in Harbin Engineering University, China from November 3-9, 2019. This workshop provided excellent opportunities to participants to enhance their technical knowledge and linkages in the field of Marine Information Technology. Joint possibilities were also discussed for funded scholarship for PhD and MS studies for Pakistani students at HEU China.

Dr. Anjum Rasheed moderated the panel discussion on 'Climate Change and Security' along with the International Office, CUI and in collaboration with Embassy of the Federal Republic of Germany in Islamabad on November 11, 2019.

Dr. Wajahat Mahmood Qazi from the Department of Computer Science at CUI Lahore Campus was invited in Punjab Governor house for a talk on "Economics, Politics & Power: Artificial Intelligence as an Agent of Change" on

November 20, 2019.

Dr. Aneel Salman, Assistant Professor Department of Economics, delivered lecture at Maritime Security Workshop (MARSEW 2019) from December 4-12, 2019.

Pearls of wisdom under the topic of Collective Action for Knowledge Economy using Technology (CAKE-Tech) was shared by Prof. Dr. Muhammad Nawaz, Izaz-e-Fazeelat, Pride of Performance, Meritorious Professor Emeritus, Former Vice Chancellor UVAS, Adviser VU, QU at on December 05, 2019 at CUI, Sahiwal Campus. During the welcome address, The Director signified the importance of knowledge economy and highlighted its imperativeness for the economy of our country while quoting the examples of developed countries.

Dr. Athar Hussain, Head, CCRD represented the Centre as a Panelist for the session 'Climate Change and Nutrition' at the National Workshop 'Building Nutrition Resilience: Integrating Climate Change and Gender' organized by Action against Hunger on December 09, 2019 in Islamabad. Other panelists included Mr. Idrees Mahsud, Member, National Disaster Management Authority (NDMA) and Mr. Muhammad Riaz, Director General Pakistan Meteorological Department (PMD). Ms. Sitara Ayaz, Chairperson, Standing Committee on Climate Change, chaired the session.

Dr. Anjum Rasheed represented CCRD as Panelist for Round Table Discussion on 'Natural Resources and the 18th Constitution Amendment' organized by Centre for Policy Studies (CPS), CUI on December 12, 2019.

Dr. Anjum Rasheed attended the 'Low-Carbon Transport' workshop organized by UK Department for International Development (DFID) in Islamabad on December 13, 2019. Suggestions were provided for research priorities on low-carbon transport in Pakistan.

Ms. Hira Karim, student of MS Chemistry, Department of Chemistry, CUI Lahore campus participated in Virtual Creativity Competition under Ravian Forensic Society at GC University Lahore on April 25, 2020. She won the competition by drawing a sketch having theme on Forensic and Social Awareness.

Dr. Aneel Salman Assistant Professor at Department of Economics gave interview to the Associated Press of Pakistan on 'Economic Situation and State interventions' on May 09, 2020.

Ar. Kifayat Hussain, Assistant Professor, Department of Architecture, Islamabad Campus represented the

Department and Institute of Architects Pakistan (IAP) in ARCASIA COVID-19 ACSR-AEA ((ARCASIS Committee on Social Responsibility-ASIA Emergency Architects) Virtual Engagement Meeting (in Hong Kong) on May 8, 2020.

In line with the international collaboration policy at COMSATS University Islamabad, Dr. Shariyeh Hosseini Nasab, International Faculty and Associate Professor at Department of Architecture CUI Lahore Campus, presented a webinar at International Elites Seminar series at Persian Gulf University (PGU), Iran on August 02, 2020. This lecture which was presented on the topic of Urban Resilience to pandemics was largely attended by faculty members, research staff and postgraduate students from architecture and urban planning departments at PGU. This two-hour webinar ended by a comprehensive QA session and final notes of Dr. Amin Mohammadi, Deputy Dean at Architecture Department PGU.

Dr. Toqeer Ahmed, Assistant Professor CCRD has participated in consultation meetings on National Water Policies like Water, Climate change and Energy Policy Nexus with TAF and PCRWR in different provinces on Feb 26, March 05 and August 03, 2020 respectively and represented CCRD.

Chapter 12

Finance

Annual Statement of Accounts (Audited) 2017-2018

		2017-18
		Total (Rs.)
NON CURRENT ASSETS		
Property and Equipment		4,559,021,447
Intangible Assets - Software Licenses		538,694
Long Term Security Deposits		8,970,682
	Sub-Total	4,568,530,823
CURRENT ASSETS		
Advances - considered good		29,477,244
Short term deposits and prepayments		52,229,692
Short term investment-PS		1,046,164,000
Fee Receivable		577,201,353
Other receivables		83,283,569
Cash and bank balances		1,850,085,963
	Sub-Total	3,638,441,821
	Total	8,206,972,644
FUNDS AND LIABILITIES		
FUNDS		
General Fund		(219,142,193)
Taleem Fund		197,234,645
Endowment Fund Capital		474,026,357
	Sub-Total	452,118,809
LIABILITIES		
NON-CURRENT LIABILITIES		
Deferred grants		3,293,932,720
Liabilities against assets subject to finance lease		20,643,152
Other non-current liabilities		465,608,002
Students' security deposits		17,328,109
Deferred liabilities		2,654,115,135
	Sub-Total	6,451,627,118
CURRENT LIABILITIES		
Accrued and other liabilities		1,279,631,080
Current portion of non-current liabilities		23,595,637
	Sub-Total	1,303,226,717
	Total	7,754,853,835
	Grand Total	8,206,972,644

Income and Expenditure Statement for the Years Ended on June 30, 2017 & 2018

	2016-17 (Rs.)	2017-18 (Rs.)
INCOME		
Total Income	7,322,738,257	8,118,937,829
EXPENDITURE		
Total Operating Expenses	7,809,559,961	8,125,623,009
Surplus/(Deficit)	(269,063,482)	(6,685,180)

Financial Year at a Glance

As CUI has consolidated its infrastructure and has expanded its Campuses, capital is invested in land and equipment, etc. The noncurrent assets have increased by 0.7% and amount to Rs. 5,637,076,109.

Audit Report

Audit of the Accounts of CUI up to June 30, 2019 by the Government Auditors (AGP) and statutory audit has been completed. Further, the chartered accountant - audit for the year 2017-18 has also been completed and for 2018-19 it is in process.

The copy of 2017-18 Audit is also enclosed.

Development Budget

The Public Sector Development Program (PSDP) is the main instrument for providing budgetary resources for the development projects and programs of all campuses of CUI. For upto financial year 2019-20, CUI has successfully completed 53 projects having capital cost of Rs. 8617.791 million. (Annex-B)

For the financial year 2019-20, the Government of Pakistan allocated Rs.722 million for 04 development projects of CUI. During the said period, Rs. 581.608 million have been released. (Annex-C)

Recurring Budget (2019-20)

A: Total Resources		(Rs. Millions)
1. Opening Balance:		(608.272)
2. Grants & Donations		
a.	Federal Government (Annual)	1,446.990
b.	Grant for Tenure Track Faculty	929.468
	Sub-Total	2,376.458
3. Own Resources		
a.	Tuition Fees	4,945.851
b.	All Other Fees	812.397
c.	Hostel / User Charges, etc.	294.364
d.	Other Income	229.400
	Sub-Total	6,282.012
Total Available Resources		8,658.470
4. Expenditure		
a.	Faculty Salary	1,713.045
b.	TTS Faculty Salary/ Gratuity	2,195.771
c.	Non - Faculty Salary	1,919.038
d.	Other Establishment Charges	278.600
e.	Non Salary Expenses / Other Charges	2,772.170
B. Total Expenditure		8,878.625
C. Surplus/ (Deficit)		(220.155)
D. Accumulated Surplus/Deficit		(828.427)

Self-Generated Income

The main source of self-generated income for CUI is the fee charged from the students. During the reporting period, the self-generated income was Rs. 6,282.012 million.

Student Spending Trend

During the reporting period, per student spending was Rs. 0.206 million.

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COMSATS UNIVERSTY ISLAMABAD

FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 JUNE 2018

EY Ford Rhodes
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INDEPENDENT AUDITOR'S REPORT

To the Senate of the University

Qualified Opinion

We have audited the financial statements of the **COMSATS University Islamabad (the University)**, which comprise the Statement of Financial Position as at 30 June 2018, Income and Expenditure Statement, Statement of Comprehensive Income, Statement of Changes in Funds and Statement of Cash Flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, except for the effects and possible effects of the matter described in the *Basis for Qualified Opinion* section of our report, the accompanying financial statements present fairly, in all material respects, the financial position of the University as at 30 June 2018, and its financial performance and its cash flows for the year then ended in accordance with International Financial Reporting Standards (IFRSs).

Basis for Qualified Opinion

(i)   The University has not maintained a proper fixed assets register for its property and equipment at Islamabad and Wah campuses, having carrying value of 478 million excluding land and building as at 30 June 2018. Accordingly, we were unable to obtain sufficient appropriate evidence as to the existence of property and equipment at Islamabad and Wah campuses. Consequently, we were unable to determine whether any adjustment to these amounts were necessary.

(ii)   The University's pension fund obligation has been recorded in the financial statements at Rs. 1,301 million. The Management has not stated the pension fund obligation as determined by the actuary as required by International Accounting Standard (IAS) 19 - "Employee Benefits". Had the University stated the pension fund obligation as determined by the actuary, salaries, wages and other benefits would have been increased by Rs. 288 million, Remeasurement loss on defined benefit plan and general fund balance would have been increased and reduced by Rs. 1.7 million and Rs.1,129 million respectively and pension fund obligation would have been increased by Rs. 1,419 million.

(iii) The carrying amount of deferred grant as at 30 June 2018 amounts to Rs. 1,007 million. This represents the unamortized portion of grant utilized for the procurement of equipment under the development and research projects. The management has not maintained project wise breakup and sufficient evidence of assets purchased through the grant. Accordingly, we were unable to verify the accuracy of the carrying amount of deferred grant as at 30 June 2018. We are unable to determine whether any adjustment to these amounts were necessary.

We conducted our audit in accordance with the International Standards on Auditing (ISAs) as applicable in Pakistan. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are independent of the University in accordance with the *International Ethics Standard Board for Accountants' Code of*

Ethics for Professional Accountants as adopted by the *Institute of Chartered Accountants of Pakistan* (the Code), and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Senate of the University for the Financial Statements

The management is responsible for the preparation and fair presentation of the financial statements in accordance with the approved accounting and reporting standards as applicable in Pakistan, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the University's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the University or to cease operations, or has no realistic alternative but to do so.

The Senate of the University are responsible for overseeing the University financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with ISAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control.

- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.

- Conclude on the appropriateness of the management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the University ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence

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obtained up to the date of our auditor's report. However, future events or conditions may cause the University to cease to continue as a going concern.

- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Chartered Accountants
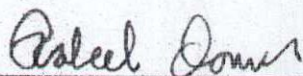Audit Engagement Partner's name: Farooq Hameed
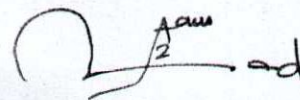Auditor's address: Islamabad
Date:

COMSATS UNIVERSITY ISLAMABAD
STATEMENT OF FINANCIAL POSITION
AS AT 30 JUNE 2018

	Note	2018	2017
		-----------------Rupees---------------	
ASSETS			
NON-CURRENT ASSETS			
Property and equipment	5	4,559,021,447	4,877,418,549
Intangible assets	6	538,694	529,643
Long term deposits		8,970,682	9,770,682
		4,568,530,823	4,887,718,874
CURRENT ASSETS			
Short term deposits and prepayments	7	52,229,692	29,470,853
Loans and advances	8	29,477,244	39,724,753
Short term investment	9	1,046,164,000	1,210,003,000
Fee receivable	10	577,201,353	393,245,983
Other receivables	11	83,283,569	67,453,565
Cash and bank balances	12	1,850,085,963	1,013,018,328
		3,638,441,821	2,752,916,482
TOTAL ASSETS		8,206,972,644	7,640,635,356
FUNDS, RESERVE AND LIABILITIES			
FUNDS AND RESERVE			
General fund		(219,142,193)	(166,228,500)
Endowment fund	13	474,026,357	441,580,514
		254,884,164	275,352,014
NON-CURRENT LIABILITIES			
Taleem fund	14	197,234,645	187,595,830
Liability against assets subject to finance lease	15	20,643,152	44,194,890
Other non-current liabilities	16	465,608,002	303,984,923
Student's security - Hostel		17,328,109	16,312,835
Deferred liabilities	17	2,654,115,135	2,324,842,978
Deferred grants	18	3,293,932,720	3,353,358,961
		6,648,861,763	6,230,290,417
CURRENT LIABILITIES			
Accrued and other liabilities	19	1,279,631,080	1,096,487,573
Current maturity of liability against assets subject to finance lease	15	23,595,637	38,505,352
		1,303,226,717	1,134,992,925
TOTAL FUNDS, RESERVE AND LIABILITIES		8,206,972,644	7,640,635,356
CONTINGENCIES AND COMMITMENTS	20		

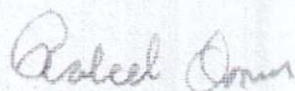The annexed notes, from 1 to 32, form an integral part of these financial statements.

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TREASURER
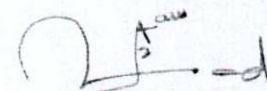
COMSATS UNIVERSITY ISLAMABAD
INCOME AND EXPENDITURE STATEMENT
FOR THE YEAR ENDED 30 JUNE 2018

	Note	2018	2017
		-----------------Rupees-----------------	
INCOME			
Income from own resources	21	5,171,816,375	4,608,109,341
Amortization of grants	18	2,718,671,352	2,714,628,916
		7,890,487,727	7,322,738,257
EXPENDITURE			
Salaries, allowances and other benefits	22	5,668,549,694	5,461,005,570
Depreciation	5.1	752,166,637	790,962,768
Other general and administrative expenses	23	1,691,452,923	1,545,986,393
Finance cost	24	13,453,755	11,605,230
		8,125,623,009	7,809,559,961
Other income	25	228,450,102	217,758,222
DEFICIT FOR THE YEAR		(6,685,180)	(269,063,482)
Taxation	26	-	-
NET DEFICIT FOR THE YEAR		(6,685,180)	(269,063,482)

The annexed notes, from 1 to 32, form an integral part of these financial statements.

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TREASURER

COMSATS UNIVERSITY ISLAMABAD
STATEMENT OF COMPREHENSIVE INCOME
FOR THE YEAR ENDED 30 JUNE 2018

	Note	2018	2017
		--------------Rupees-------------	
NET DEFICIT FOR THE YEAR		(6,685,180)	(269,063,482)
OTHER COMPREHENSIVE INCOME			
Other comprehensive income not to be reclassified to income and expenditure in subsequent periods:			
Re-measurement loss on defined benefit plan	28	(46,228,512)	(36,712,683)
TOTAL COMPREHENSIVE LOSS FOR THE YEAR		(52,913,692)	(305,776,165)

The annexed notes, from 1 to 32, form an integral part of these financial statements.

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COMSATS UNIVERSITY ISLAMABAD
STATEMENT OF CHANGES IN FUNDS
FOR THE YEAR ENDED 30 JUNE 2018

	General fund	Endowment Fund-Capital	Total
	------------------------------ Rupees ------------------------------		
Balance as at 1 July 2016 (restated)	139,547,665	394,477,893	534,025,558
Total comprehensive loss for 30 June 2017	(305,776,165)	-	(305,776,165)
Contributions - transferred during the year	-	46,896,750	46,896,750
Contributions - to be transferred	-	205,871	205,871
Balance as at 30 June 2017	(166,228,500)	441,580,514	275,352,014
Total comprehensive loss for 30 June 2018	(52,913,692)	-	(52,913,692)
Contributions - transferred during the year	-	32,223,200	32,223,200
Contributions - to be transferred		222,643	222,643
Balance as at 30 June 2018	(219,142,193)	474,026,357	254,884,164

The annexed notes, from 1 to 32, form an integral part of these financial statements.

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COMSATS UNIVERSITY ISLAMABAD
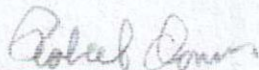## STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED 30 JUNE 2018
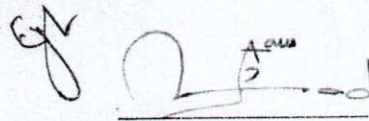
	2018	2017
	--------------Rupees--------------	
CASH FLOWS FROM OPERATING ACTIVITIES		
Deficit for the year	(6,685,180)	(269,063,482)
Adjustment for no-cash and other items:		
Depreciation	752,166,637	790,962,768
Amortization of intangible assets	725,514	815,991
Profit on Bank Deposits	(28,430,827)	(23,862,546)
Gain on sale of Fixed Assets	(10,472,158)	(8,926,246)
Provision for Compensated Absence	66,713,462	57,394,338
Provision for Gratuity	226,089,238	195,457,642
Provision for benovelent fund	10,792,903	12,390,582
Contribution to Pension fund	104,486,266	158,602,501
Amortization of Grants	(2,718,671,352)	(2,714,628,916)
Finance costs	13,453,755	11,605,230
Operating deficit before working capital changes	(1,589,831,742)	(1,789,252,138)
Changes in working capital:		
(Increase) / Decrease in current assets		
Short term deposits and prepayments	(22,758,839)	6,962,693
Loans and advances	10,247,509	8,997,644
Fee Receivable	(183,955,370)	(160,577,859)
Other receivables	(15,830,004)	16,716,046
	(212,296,704)	(127,901,476)
Increase / (Decrease) in current liabilities		
Accrued and other liabilities	183,190,480	80,787,004
	183,190,480	80,787,004
Compensated Absence paid	(7,227,845)	(7,774,703)
Gratuity Paid	(9,998,798)	(12,229,150)
Benovelent fund paid	(4,268,678)	(4,288,028)
Pension fund paid	(49,811,581)	(36,103,716)
Finance cost paid	(7,004,170)	(3,755,309)
Other Non Current Liabilities	161,623,079	165,286,836
Net increase in students' security deposits	1,015,274	1,774,150
Long term security deposits	800,000	(1,460,000)
Net increase / (decrease) in taleem fund	9,638,815	35,601,251
Net cash used in operating activities	(1,524,171,870)	(1,699,315,279)
CASH FLOWS FROM INVESTING ACTIVITIES		
Capital expenditure on Fixed assets	(443,824,052)	(883,409,762)
Capital expenditure on Intangible assets	(734,566)	(10,659)
Short term investments made	163,839,000	(49,577,722)
Interest received	28,430,827	23,862,546
Proceeds from sale of Fixed Assets	20,526,674	9,834,911
Net cash used in investing activities	(231,762,116)	(899,300,686)
CASH FLOWS FROM FINANCING ACTIVITIES		
Grants received	2,659,245,110	2,537,225,372
Liabilities against assets subject to finance lease	(66,243,490)	(11,529,101)
Net cash generated from financing activities	2,593,001,620	2,525,696,271
Net increase / (decrease) in cash and cash equivalents	837,067,635	(72,919,694)
Cash and cash equivalents at the beginning of the year	1,013,018,328	1,085,938,022
Cash and cash equivalents at the end of the year	1,850,085,963	1,013,018,328

The annexed notes, from 1 to 32, form an integral part of these financial statements.

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Chapter 13

University Governance

The COMSATS University Islamabad (CUI) was established in 1998, as COMSATS Institute of Information Technology (CII), as a project of the Commission on Science and Technology for Sustainable Development in the South (COMSATS), which is an inter-governmental organization with 21 member states in three continents; Asia, Africa and Latin America, namely Bangladesh, China, Colombia, Egypt, Ghana, Iran, Jamaica, Jordan, Kazakhstan, Korea (DPRK), Nigeria, Pakistan, Philippines, Senegal, Sri Lanka, Sudan, Syria, Tanzania, Tunisia, Uganda and Zimbabwe. Then, CIIT had the status of a public sector degree awarding higher education institution and was given charter by the Federal Government in August 2000. Later, CIIT has been upgraded to a Federally Chartered University in April 2018 under the COMSATS University Islamabad Act 2018.

The CUI functions under the governance of the Senate which is chaired by the Chancellor of the university. The President of Islamic Republic of Pakistan is the Chancellor of the University. Besides, Islamabad it has campuses in Lahore, Abbottabad, Wah, Attock, Sahiwal, Vehari and a Virtual campus as well.

As per new charter following are the authorities of the University, namely:-

(a) Authorities established by the Act,
    i.   the Senate;
    ii.   the Syndicate; and
    iii. the Academic Council

(b) Authorities established by the Statues:-
    i.   Board of Advanced Studies and Research;
    ii.   Recruitment, development, Evaluation and Promotion committees and Selection Board for teachers and other staff whether at the level of the department, the faculty, the Campus or the University;
    iii. Career Placement and Internship Committee of each faculty;
    iv.   Search committee for the appointment to the Senate, Syndicate and the Academic Council;
    v.   Board of Faculty;
    vi.   Board of Studies of Department; and
    vii. Finance and Planning Committee

Senate

The body responsible for the governance of the University shall be described as the Senate, and shall consist of the following:
(a) the chancellor who shall be the Chairperson of the Senate;

(b) the Pro- Chancellors;
(c) the Rector;
(d) the Secretary of the Ministry dealing with the subject matter of Science and Technology;
(e) the Secretary of the Ministry dealing with the subject of Education;
(f) one of the Pro-Rectors nominated by the Rector;
(g) four persons from society at large being persons of distinction in the fields of administration, management, education, academics, law, accountancy, medicine, fine arts, architecture, agriculture, science, technology, industry and engineering so that the appointment of these p[persons reflects a balance across the various fields;
(h) one person from amongst the alumni of the University;
(i) two persons from the academic community of the country, other than an employee of the University, at the level of professor of principal of a college;
(j) for University Teachers;
(k) Chairman, Higher education Commission or his nominee; and
(l) Two Parliamentarians, on each from Senate and national Assembly.

From September 01, 2019 till August 31, 2020, 01 meeting of senate has been arranged for the reporting period given below:

Meeting #	Date of Meeting
03	February 26, 2020

Syndicate

The syndicate of the University consists of the following:
(a) the Rector who shall be a Chairperson;
(b) the Pro-Rector;
(c) Joint Secretary concerned from the Ministry of Science and Technology
(d) the Directors;
(e) the Deans;
(f) three professors from different departments, who are not members of the Senate, to be elected by the University Teachers in accordance with procedure to be prescribed by the Senate;
(g) Principals of the constituent colleges;
(h) the Registrar, who shall also be the secretary;
(i) the Treasurer and any other officer designated as principal officer under clause (j) of section 7; and

(j)   the controller of Examinations.

From September 01, 2019 till August 31, 2020, 02 meetings of syndicate have been arranged for the reporting period given below:

Meeting #	Date of Meeting
02	February 12, 2020
03	July 06, 2020

Academic Council

As per CUI Act, 2018, the Academic Council of the University is the principal academic body of the University and subject to the provisions of the Act and the Statues, has the power to lay down proper standards of instruction, research and examinations and to regulate and promote the academic life of the University and the colleges. The Academic Council consists of the following:

a)   the Rector shall be its Chairperson;
b)   the Pro-Rector;
c)   the campus Directors;
d)   the Deans of faculties and such Heads of departments as me be prescribed;
e)   five members representing the departments, institutes and the constituent colleges to be elected in the manner prescribed by the Senate; two Principals of affiliated colleges; five Professors including Emeritus Professors; the Registrar, who shall also be the secretary; the Controller Examinations; and the Librarian.

According to the Act and Statues, the Academic Council has the following powers to:

a.   approve the policies and procedures pertaining to the quality of academic programmes;
b.   approve academic programmes;
c.   approve the policies and procedures assuring quality of teaching and research;
d.   recommend the policies and procedures for affiliation of other educational institution;
e.   propose to the Syndicate schemes for the constitution and organization of Faculties, teaching departments and boards of studies;
f.   appoint paper setters and examiners for all examinations of the University after receiving panels of names from the relevant authorities;
g.   institute programmes for the continued professional development of University teachers at all levels;
h.   recognize the examinations of other Universities and

examining bodies as equivalent to the corresponding examinations of the University;
i.   regulate the award of studentships, scholarships, exhibitions, medals and prizes;
j.   frame Regulations for submission to the Senate;
k.   prepare an annual report on the academic performance of the University; and
l.   perform such functions as may be prescribed by Regulations.

The clause 43(2) of the above mentioned Gazzette allows to continue with the current provision of CUI till a time when new statues/rules/regulations of CUI are formulated and approved by competent authority. That means existing statutory bodies such as BASAR, Board of Faculties and Board of Studies are to function normally till these are reconstituted in line with the approved regulations.

From September 01, 2019 till August 31, 2020, 01 meeting of Academic Council has been arranged for the reporting period given below:

Meeting #	Date of Meeting
29	May 07, 2020

Board of Advanced Studies and Research (BASAR)

The purpose of BASAR is to advise authorities on all the matters concerned with the promotion of advanced studies and research in the Institute, to appoint supervisors for research studies, to propose regulations for the ward of research degrees, etc. The BASAR consists of:

➢   The Rector (Chairman)
➢   The Deans
➢   Three Professors other than Deans to be appointed by the BoG
➢   Three scholars of eminence in a field not represented on the BASAR appointed by the Rector on the recommendation of the Academic Council.

As of August 31, 2020, 29 meetings of BASAR have been held, out of which, 01 was during the reporting period.

Meeting #	Date of Meeting
29	July 11, 2020

Other Statutory Bodies

The detail of the meetings of Selection Board, Finance and

Planning Committee, Board of Studies, and Board of Faculty, for the reporting period is given below:

Selection Board: As of August 31, 2020, 01 meeting of Selection Board is held during the reporting period.

Meeting #	Date of Meeting
31	December 26-27, 2019

Finance and Planning Committee

By the end of year 2019-20, 29 meetings of Finance and Planning Committee have been held, out of which 01 meeting was held during the reporting period.

Meeting #	Date of Meeting
29	February 08, 2020

Board of Studies (BoS)

The purpose of BoS is to advise the authorities on all academic matters connected with instruction, research and examination in the subject or subjects concerned. Besides, it proposes curricula and syllabi for all degrees, diplomas and certificate courses, initiation of new programs, and suggests panel of examiners, etc.

Until the year under review, 333 BoS meetings have been organized, however no BoS meeting was held during the reporting period.

Board of Faculty (BoF)

The purpose of BoF is to coordinate the teaching and research work in the subject assigned to each Faculty, to scrutinize the schemes of courses and syllabi proposed by the Board of Studies comprised in the Faculty and recommend it to the higher academic for as along with its observations, to examine the list of examiners, and any other functions as required.

Till August 31, 2020, 112 BoF meetings have been organized, however no BoF meeting was held during the reporting period.

Uniform Management System (UMS)

UMS system was introduced at COMSATS University Islamabad (CUI) erstwhile CIIT in 2009 at Abbottabad Campus and became functional across all its campuses in 2012.

Objectives of Uniform Management System (UMS): The main objectives of UMS are:

➢ To standardize all the aspects of the University

➢ To develop quality teaching and research productivity through planning and monitoring, feedback and control

In order to achieve afore mentioned objectives three committees namely Campus Management Committee (CMC), Campus Academic Regulatory Committee (CARC), and Departmental Academic Regulatory Committee (DARC) were constituted on January 24, 2012. They plan strategies and formulate procedures for improving the quality of education at Departmental and Campus levels. CU Online (web-based software) is used to gather feedback by generating various monitoring reports whereas CARC at campus level and by DARC at department level look into the issues hindering in the way of achieving objectives and also suggest the solutions to overcome these problems.

CMC: The Campus Management Committee meetings are held before the start of semester to foresee the issues which Campus may come across and then these issues are resolved. This committee takes care of matters like availability of class rooms, furniture, books etc.

CARC: CARC works to ensure the uniformity, consistency, harmony and maximum utilization of campus resources to meet the standards prescribed under the UMS. The committee comprises of different members who are both from academic and administration facets and work at campus level. Campus Incharge/ Director is the convener of CARC. It must have at least five sessions during per given semester to formulate, ensure systematize and timely flow of information, and procedures compliance. It is also responsible to place a check to ensure quality education, and all the departments of the campuses are required to meet the standards as prescribed by Campus/University. It ensures the harmony and cooperation among the departments of the same campuses.

DARC: DARC entertains all the matters related to department and its prime objective is to create harmony within the department by implementing approved policies and procedures. DARC comprises of at least three senior members of the department. Head of the department is the convener of DARC. This committee is solely authorized to ensure and take necessary measures to improve education system and correlated issues, using qualitative as well as quantitative measures. The committee meets all the faculty of the department at least twice per semester. All

disputed/unsolved matters are referred to CARC. Introducing the new disciplines among courses is one of the important functions of DARC. It is responsible to ensure efficient grading and marking of papers, assignments, quizzes, and sessionals by the faculty during a semester.

Individual Semester Plan Proforma (ISPP): ISPP is a tool to analyze and evaluate the academic and research work of all PhD faculty members. Three reports are generated on the basis of data given by each department i.e. ISPPs report, discrepancy report, and minimum and maximum workload report of PhDs. It helps in having a clear view of work done by the PhDs in previous and current semester. The main purpose of this proforma is to know the efforts through the students supervised and published articles. It also describes the classes' load, linkages with international universities and individuals, faculty's commitment for outreach programs and other administrative responsibilities undertaken by PhD faculty, if any. Before UMS was introduced, the information regarding PhD Faculty was collected through ISPP forwarded to faculty through chairpersons. Then it was decided by the competent authority to make it available on CU Online, where faculty could have easy access to these proforma.

Therefore, since last four semesters ISPP have become a permanent feature of faculty portal.

In addition, weekly attendance report of all the Campuses is generated and respective campuses are informed accordingly. Furthermore, reports of midterms, quizzes, sessionals, lab assignments are generated, and Campuses are informed about the short comings.

Departmental Advisory Committee

The Departmental Advisory Committee (DAC) exists in each department of the concerned Faculty of CUI with the purpose to oversee/run all matters related with graduate studies. The committee is under the graduate rules of CUI and policies of the HEC and is notified by the respective Dean on the recommendation of the departmental Chairperson.

The detail of CARC and DARC meetings held during the reporting period is provided in the Annexure D.

Chapter 14

Office of Development / Students Financial Aid Office (SFAO)

The department of Student Affairs is a service provider which delivers on the spot services related to accounts, examinations, academics, students-related queries, and conflict resolution. The newly enrolled student guidance right from the first day of orientation, photo taking to their final clearance from the university is handled by department. These services are not limited to resolving problems related to accounts and exam but students are also helped to understand the CUI academic and other rules and regulations and how not to become effected by the ignorance of rules and deadlines.

The SAFAO office is part of the student affairs at almost all the campuses. Overall, during the reporting year funds of Rs. 1,165,767,772 were disbursed among 13,313 students in 46 different scholarships/assistance programs in all CUI campuses. Various activities carried out by SFAOs at CUI campuses during the reporting period are as follows:

Islamabad Campus

The processing of SP19 Ehsas undergraduate scholarship was finalized during the reporting period. After advertisement, the forms were collected, scrutinized and interviews were conducted along with HEC teams. After final interviews, the successful students were informed about the procedure of collection of their returned fee and other stipend through all legal procedure which included opening of bank accounts and other related matters. SAFAO also launched the PEEF scholarship and collected all the forms and got the approvals and distributed the funds through government issued cheques amongst the students.

The students were also guided regarding closing of student portals and their late fee funds and other related financial problems. Numerous cases of late fee fine and delayed fee submission were handled. In many of the cases students were given guidelines in securing funding/loan from National Bank of Pakistan, Kinship Funding and also Mezan Bank scholarship. All cases of Benevolent Fund and all external scholarships or government relives schemes are handled at student affairs.

Abbottabad Campus

In addition to regular students assistance for their scholarships, the Office announced Ehsaas Undergraduate scholarship in December 2019. Around 1,000 students applied for the scholarship. After conducting pre-ISAC and ISAC, a total of 200 students of CUI, Abbottabad Campus were selected. Due to prevailing conditions of COVID-19, a small cheques distribution ceremony was conducted. Worthy Director Prof. Dr. Arshid Pervez was the chief guest of the event. The process of interview and selection was quite challenging specially because of closure of university due to pandemic. But the process went well with the grace of Almighty Allah and because of untiring efforts of the team of office of development lead by its In-charge. The amounts were successfully disbursed to the needy students in August 2020.

Lahore Campus

The SFAO at Lahore Campus also announced 4 new scholarships during 2019-20. These include HEC Ehsaas Scholarship, HEC Gwadar/Baluchistan Scholarship, Merit Scholarship for Undergraduate programs and Scottish Scholarship Under British Council of Pakistan.

During the reporting year, multiple counselling and trainings sessions were conducted/attended for the students and officials such as:
- Two orientation Sessions were conducted for students counseling on 1st September, 2019, and 3rd February, 2020.
- HEC PAK-USAID scholars attended two days Talent Grooming and Career Counseling Workshop at LCWU Lahore on March 02-03, 2020.
- In-charge SFAO along with other CUI colleagues attended two days capacity building workshop on "Transforming Academic Knowledge to develop Entrepreneurial Universities in Pakistan: Capacity Building for Local Entrepreneurial Ecosystem" at GCU

and LUMS on March 4-5, 2020.

The SAFAO office was also involved in marketing and outreach campaigns. This included a visit of a delegation from China in September 2019 and meeting with HS consultants and Amal Academy representatives regarding their future events to be held at CUI, Lahore Campus. In-charge Manager SFAO Mr. Ghulam Hussain attended SAARLAND VS COMSATS joint venture meeting held on October 02, 2019, and visited Pakistan Bait-ul-Mal Punjab office Lahore on February 11, 2020 and met with the Director Mr. Muhammad Zaheer with the aim to enlist/register the CUI on their panel to get scholarships/financial aid for CUI deserving and needy students.

Besides, SFAO office arranged tickets expenses of Rs. 100,000/- through PEEF Donor agency to one of CUI Alumni Mr. Muhammad Sultan Irshad travelling to China to pursue his PhD degree in Physics.

Wah campus

During the reporting year the SFAO/CDC looked after various tasks such as management of alumni record, providing need-based scholarship through different donor agencies, looking after internal scholarship programs, job and internship programs postings, and providing Internship facilitation letters to students.

In the year 2019-20, the office distributed an amount of 97 Million's among 1345 students. Any need-based scholarships (e.g. HEC need based, PAK-USAID, PEEF Special quota scholarship, HEC Ehsaas Undergraduate Scholarship) was processed efficiently and partially from its announcement till the selection. In addition, SFAO, Wah Campus distributed an amount of 7.8 Million for Campus Based scholarships, including Academic excellence, Employee pecuniary, Admission Merit scholarship, POF Scholarship and Financial Assistance during 2019-20 among

643 students.

Following scholarships were launched during 2019-20 to attract good students:

➢ Scholarship Scheme for BS (BA) and BS (BAF) for intake SP20 and Fall-20

➢ Scholarship Scheme for all MS programs

➢ Scholarship for MS Mechanical Year-2019

➢ Admission Scholarship Scheme for MBA Fall-20 Intake

Activities related to Career Development Centre (CDC) remained limited due to COVID-19. On demand internships facilitation letters were issued.

Sahiwal Campus

The SFAO at CUI, Sahiwal Campus has always been providing support to the needy and deserving students by finding funding opportunities locally as well as internationally. The office deals with internal and external scholarships. The students are offered merit scholarships at the time of admission. During the reporting year, the SFAO in collaboration with academic departments hunted scholarships for students who were unable to secure national or provincial Scholarships (for some reasons).

Moreover, its officials also visit local industrialists/ philanthropists to obtain funding for the deserving students. ICE Age Industrial scholarships is another one of the achievements, as the ICE AGE Industries has been providing the funding for the deserving students. The office had been providing interest free loan (Qarz e Hasna) as well as Financial Assistance to the needy ones.

Vehari Campus

The SFAO, Vehari Campus has been established in the year 2012-13. During the reporting year it processed a number of scholarships for about 319 students. These included HEC Need based Scholarship, PEEF Scholarship, USAID Merit and Need Based Scholarship, Punjab Work Welfare Board Scholarship and Ehsas Undergraduate Scholarship. The SFAO plans to launch its website which will work as one window operation to resolve students' academic issues.

Chapter 15

Health Center/ Medical Facilities

Medical Facilities

Islamabad Campus

Healthcare of the students and staff of CUI has always been a priority. Keeping this in view, CUI Medical Center Islamabad campus was established in 2009 functioning under the supervision of a qualified, experienced and competent Medical Team. It is a three beds observatory providing free first aid medical treatment and consultation to the patients. There are three medical doctors, three trained staff nurses and two trained paramedics. It is operational 06 days a week. The activities carried out by the medical center include provision of first aid services to the students and staff of CUI, provision of free emergency medicines to all patients, provision of medical cover during official conferences and meetings, and arranging various healthcare awareness programs/lectures. During the reporting period, following activities were organized by the center:

Medical cover was given to the following Events:
- 2019-2020 Semester Orientation days
- CPEC consortium held in Convention Centre on November 18-19, 2019

- Breast Cancer awareness Day/Lecture held in collaboration with Pink Ribbon on October 25, 2019.

The number of patients given medical treatment from 2009 till June 2020 is tabulated below:


Year	Students	Staff	Male (Students)	Female (Students)	Male (Staff)	Male (Staff)	Total
2020	4,803	4,072	2746	2057	3582	490	8,875
June 2019	5,173	4,991	3,774	1,399	4,231	760	10,164
August 2018	4,951	7,587	3,643	1,308	6,900	687	12,532
June 2017	3,772	10,362	2,215	1,557	9,655	707	14,134
June 2016	5,726	9,300	3,646	2,080	7,220	2,080	15,026
June 2015	3,352	3,050	2,963	389	2,569	481	6,402
2014	5,620	5,977	4,959	661	5,290	687	11,597
2013	5,021	5,166	4,743	831	4,556	508	11,530
2012	6,793	4,989	6,115	679	4,490	499	11,782
2011	5,690	4,220	-	-	-	-	9,910
2010	5,416	3,962	-	-	-	-	9,378
2009	2,203	2,398	-	-	-	-	4,601
Grand Total							119,342

The center also treats various injuries (cuts, abrasions, blunt trauma etc), minor road accidents, fever, respiratory tract infections, gastro intestinal tract problems, various gynae problems, burns, dermatitis/scabies, headaches, hypertension, signs of breathlessness/allergy, diarrhea, diabetes, minor anxiety, and depression etc. A referral mechanism is in place for shifting of Emergency patients to tertiary care hospitals through a well-equipped CUI ambulance.

Dental Unit

Dental Unit Department at CUI Islamabad is operational since May 2015. Dental unit has a specialized dentist with professional dental staff who provides a complete dental care with highest standard of treatment. During the reporting period, the number of complaints treated at the unit was 12. The Unit is doing multiple dental procedures also.
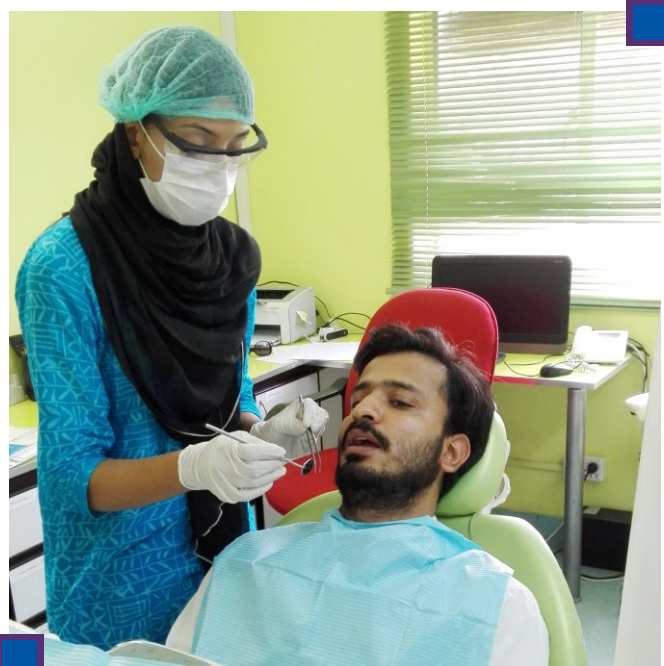
Vehari Campus

The Campus has first aid medical facility for students and staff. One Dispenser is appointed by the campus and establish dispensary with all emergency equipment's and medicines. COMSATS University Islamabad Campus also gifted an ambulance to the Vehari Campus.

Wah Campus

A Medical Centre has been established in the 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.

Abbottabad Campus

Medical Center is functional since April 17, 2006 providing health care facilities to all students and employees. The daily turnover of the patient is about 40-50/day. There is an observation room comprises of four beds for managing minor emergencies

Facilities /Objectives

Following are the main facilities /objectives of the center:
- Provision of first aid
- Provision of Primary Health Care services to all.
- To promote Health education.
- Counseling & psychological assistance of students
- Awareness about the preventive measures relating to common seasonal and deadly diseases as per patient requirement
- Awareness about Physical fitness by providing Height and Weight measurements.
- Dressings / ASDs
- Stitching of minor wounds/ injuries
- Medical cover during sports
- Medical cover during every Event, Conference, Seminars and Convocations
- Nebulization as/ requirement
- Oxygen inhalation / requirement
- Inhaler as / requirement
- Stature as required
- Glucometer to check sugar level in Emergencies / diabetics
- Wheelchair as / requirement
- Injectable i/v, i/m are provided and vaccines as / on requirement
- Daily and monthly record keeping of patients
- Daily and monthly record keeping of medicines
- Follow up services
- Maintaining record of hypertensive patients
- Verification of Medical cases of students and employees
- Verification of Scholarships forms
- Provision of Medical fitness certificate for new inductees (Faculty staff)
- Minor emergencies are handled and kept under observation for short time.
- Serious emergencies are referred to Ayub Teaching Hospital and CMH Abbottabad.
- Referral services and correspondence with CMH Abbottabad

- An ambulance is available for shifting emergencies

The SOPs (Safety Protocols) were strictly observed at Medical Center. Awareness messages were displayed to provide basic information about Covid- 19, and about health and safety of all students, faculty and staff such as:

- Wearing of masks
- Social distance
- Frequent hand washing / or use of hand sanitizer
- If someone become ill while at work report at Medical Center
- Ensure the strict implementation of SOPs in consultation and coordination with provisional and area Government
- Un necessary visits and checkups are restricted
- According to SOPs and Protocols set up is made
- Limited point of entry
- No entry without mask
- Availability of mask and tissue paper
- Availability of hand sanitizers
- Availability of waste bin with lid to dispose off used tissue papers in suspected cases
- Infrared thermometer
- Environmental cleaning and disinfection by spray
- Proper ventilation
- Using proper barrier
- Crowding is not allowed and limited
- Using masks, gloves and face shields while checking suspected patients
- Observing physical distance
- Hand hygiene facility is available

Sahiwal Campus

As the COMSATS University Islamabad, Sahiwal Campus is located away from the main city, therefore, a reasonably equipped dispensary working at the campus which looks after by a trained staff member who provides the services to faculty, staff and students. The medical room has one bed, first aid box and emergency medicines. The complicated Medical cases are referred to the specialist doctors in the DHQ, Sahiwal. A 24/7 ambulance service is also available to move the patients in case of an emergency. Keeping the health of stakeholders as 1st priority, several health seminars and screening camps are arranged every semester.

The Diabetes Screening Camp and Awareness Seminar were organized by the Department of Computer Science, CUI, Sahiwal in collaboration with the Department of Medicine, DHQ Teaching Hospital Sahiwal on February 2, 2020 from 9:-00 am to 1:00 pm and 1:30 pm to 2:30 pm respectively at CUI Sahiwal Campus. Prof. Dr. Saleem

Farooq Shoukat, Director CUI Sahiwal inaugurated the Diabetes Screening Camp and appreciated the efforts of the students for their active participation in establishing the camp.

The Diabetes Camp was only possible with the active participation of our research co-partner, Dr Sarfaraz Ahmad Khan, Senior Registrar/ Diabetologist DHQ Teaching Hospital Sahiwal and his team consisting of four members. The experts from DHQ Hospital guided the diabetic patients how to avoid the diabetes.

The Diabetes seminar was also held on February 19, 2020 at CUI, Sahiwal Campus. Dr Sarfaraz Ahmad Khan, Senior Registrar/ Diabetologist DHQ Teaching Hospital Sahiwal and his team briefed the audience about the disease as well as cure and preventive measure.

Lahore Campus

The medical center at CUI Lahore Campus provided 24/7 first-aid and basic health caring facility for the students, staff, and residents. There was also provision to perform some basic test and emergency procedures. Moreover, Ambulance facility was also available on campus 24/7.

Dental Clinic

Highly equipped dental clinic is available on campus that is providing the dental care facilities to COMSATS family on reduced cost. Many dental related clinical procedures like Complete Smile Make Overs, Fillings, Teeth Whitening, Root Canals, Deep Cleaning and Root Planning are done at reduced cost.

Counseling for Stress Reduction

Counseling for stress is frequently provided to the students and employees at all CUI campuses. The highlights of the reporting year are given below:

Islamabad Campus

The total number of cases received and facilitated at Counselling and Wellness Centre (CWC), Islamabad Campus during the reporting period were 46, with an average of 3 sessions/ client.

The CWC Counsellor participated in Game Jam (gaming completion) as a Psychologist which was organized by Department of Computer Science in 2019. Besides, the session 'Leadership in Special Population' was conducted on 2019 in Chal Foundation, a rehabilitation center for victim of 2005 earthquake. The main task was to identify leaders in amputees for sustainable development projects.

Wah Campus

The Department of Management Sciences organized a seminar entitled "Personality, Well-Being and Good Health" at Campus Auditorium on October 28, 2019. The Speaker, Dr. Rukhsana Sheikh, talked on avoiding harmful activities like Obesity, Short Sleeping hours, Lack of Exercise and Excessive use of Social Media causing psychological distress among students. She also highlighted the importance of healthy lifestyle and interpersonal skills leading towards groomed personality and a better understanding of life.

In the Student Health and Safet Society at CUI, Wah Campus, the joint health and safety society groups of students led by a faculty member worked together to identify and solve health and safety problems at the campus level. The primary purpose of the society was to facilitate communication on health and safety issues, and to address the students issues related to health and safety. In the current pandemic of corona virus, the society members also ensured that the students wearing face mask followed social distancing as well.

Sahiwal Campus

At CUI, Sahiwal Campus, a team of batch advisors, under the supervision of In charges, for each batch is composed to focus over the students who are on probation or stressed out for any reason. To accomplish this, Incharge arrange meetings of the batch advisors. Informative letters are sent to the families of such students, updating about the progress of the students. For the particular purpose of student counseling a standard operating procedure is also developed. The procedure is as follows:

- Students' batch advisors will analyze & try to identify the root cause.
- He /she will keep relative subject teachers in loop.
- If necessary, parents will be called to involve in taking positive measures to improve student performance.
- Students are encouraged to discuss their academic as well as social issues with the batch advisor to get proper advice and guidance for the future directions.

The batch advisor maintains the record of weak/stressed out students. Counseling sessions and seminars are

arranged with such students. The batch advisors also hold follow-up meeting to check the progress of counseling sessions

Abbottabad Campus

Counseling for Stress was frequently provided to the students in smaller groups or individually. Students approaching to the Medical Center were properly guided to adapt different techniques to manage the stress. Some of the important techniques advised to the students are given below:

'Student life is all about learning how to achieve a balance between studies and other activities. If students want to do well at university/school/college, they have to devote time to their studies.   It is important to keep balance routine by properly managing study time, sleeping time and never skip any meal. This is important, as many students think they can get away with sleeping less. While this may be alright for one night, as a regular schedule it disturbs your health and sleep cycle. Someone will find it harder to concentrate and end up feeling more frustrated and stressed out about class work. Especially during examinations sleepless nights results in vertigo and nausea and they are unable to concentrate. It is important to maintain a well-balanced academic environment for improved learning experience. A focus on students' needs and problems can help prevent the harmful effects of stress on health and academic performance.'

Lahore Campus

Medical center and Department of Humanities helped students in stress management. Faculty of Psychology offered psychological counseling services for stress reduction under Student Counseling Center. They provided counseling for academic, familial, social, and relationship issues.

Annexure

Annexure A: List of Active International Collaborations During 2019-20

There were 24 active international collaborations which are as under:

S#	Name of Institution
01	Belarusian State University
02	Belarusian State University of Informatics and Radio electronics
03	UNESCO
04	TWAS, Italy
05	University of Perpignan via Domitia, France
06	Sejong University, South Korea
07	Nanjing Institute of Geology and Paleontology, Chinese Academy of Sciences China
08	Middle East Technical University (METU) Turkey
09	Middle East Technical University (METU) Turkey
10	Huanghuali University (HU), China
11	Universided Federal De lavras
12	Interdisciplinary Center for scientific computing Heidelberg University Germany
13	ACU, London
14	Fujian Normal University China
15	Erasmus+ Programme (Inter-institutional agreement 2018-2020 with University Cote d'Azur. France)
16	Shenzhen University, China
17	Duzce University, Mevlana Exchange Protocol
18	South Central University for Nationalities, China
19	Tianjin University of Science and Technology
20	Tongji University China
21	Tianjin Institute of Industrial Biotechnology Chinese Academy of Sciences
22	Guangzhou University China
23	The Abdus Salam International Centre for Theoretical Physics (ICTP)
24	International Joint Laboratory, Huanghuali University China

Annexure B: List of Completed Development Projects 2019-20

Higher Education Commission and Ministry of Science and Technology

Islamabad

Rs. In Million

S#	Name of the Project	Capital Cost
01	Strengthening of CIIT Labs, Islamabad (Revised)	22.930
02	Construction of Academic Block for CIIT, Islamabad (Revised)	46.610
03	Provision of Transport Facilities at CIIT, Islamabad	3.000
04	Capacity Building at Department of Mathematics, CIIT, Islamabad	29.608
05	Strengthening of the Telecom Engineering Department, CIIT, Islamabad	29.820
06	Designing and Fabrication of Micro and Nano Electronic Devices for Applications at the Department of Physics COMSATS Institute of Information Technology, Islamabad	185.448
07	Establishment of Permanent Campus of COMSATS Institute of Information Technology at Chak Shahzad, Islamabad (Revised)	395.373
08	Establishment of Radiation Physics Laboratory in the Department of Physics at CIIT, Islamabad	38.750
09	Provision of Essential Facilities at CIIT, Islamabad (Revised)	650.755
10	Establishment of Business Incubation Center at CIIT, Islamabad	56.803
11	Feasibility Study for Establishment of Technology Park, Islamabad	53.650
12	Infrastructure Development of Permanent Campus of COMSATS Institute of Information Technology Chak Shahzad, Islamabad	2,862.656
13	Faculty Development at University of Illinois at Urbana Champaign, USA	515.391
14	Share of Islamabad Campus out of multi-campuses projects	8.908
	Total	4899.702

Abbottabad

S#	Name of the Project	Capital Cost
15	Capacity Building at CIIT Abbottabad (Revised)	36.184
16	Establishment of a CIIT Campus at Abbottabad	38.131
17	Provision of Support Facilities at CIIT Abbottabad	31.903
18	Construction of Engineering Block at CIIT, Abbottabad	39.426
19	Post-Earthquake Rehabilitation at CIIT, Abbottabad	39.630
20	Provision of Physical Facilities at CIIT Abbottabad	469.945
21	Share of Abbottabad Campus out of Multi-campus projects	209.709
	Total	864.928

Lahore

Rs. In Million

S#	Name of the Project	Capital Cost
22	Provision of Support Facilities at CIIT Lahore (Revised)	38.302
23	Establishment of CIIT at Lahore (Revised)	39.000
24	Strengthening of CIIT, Lahore (Revised)	27.553
25	Establishment of Telecom and IT Labs at CIIT, Lahore	36.540
26	Development of Labs and Faculty Offices to Meet the Urgent Requirement Using Pre-Engineered Steel Blocks at CIIT, Lahore	33.223
27	Upgradation of Existing Facilities at COMSATS Institute of Information Technology (CIIT) Campus at Lahore.	35.240
28	Establishing / Strengthening Research and Development Activities in Chemical Engineering Department at the CIIT, Lahore	38.377
29	Strengthening of the Department of Biomedical Material Sciences at CIIT, Lahore	37.953
30	Development of Imminent Academic & Support Facilities at COMSATS Institute of Information Technology Lahore	684.518
31	Share of Lahore Campus out of multi-campuses projects	8.739
	Total	979.445

WaH

S#	Name of the Project	Capital Cost
32	Equipping and Furnishing of New Block of the CIIT, Wah	33.790
33	Provision of Academic and Support Facilities at CIIT, Wah	52.650
34	Share of Wah Campus out of multi-campuses projects	145.381
	Total	231.821

Sahiwal

S#	Name of the Project	Capital Cost
35	Establishment of Permanent Campus of COMSATS Institute of Information Technology at Sahiwal	407.989
36	Share of Sahiwal Campus out of multi-campuses projects	11.517
	Total	419.506

Attock

S#	Name of the Project	Capital Cost
37	Establishment of CIIT Campus at Attock (Phase-I)	31.270
38	Establishment of Permanents Campus of CIIT, Attock	472.352
39	Share of Attock Campus out of multi-campuses projects	16.369
	Total	**519.991**

Vehari

S#	Name of the Project	Capital Cost
40	Establishment of CIIT Campus at Vehari	426.154
41	Share of Vehari Campus out of multi-campuses projects	3.000
	Total	**429.154**

Gujrat

S#	Name of the Project	Capital Cost
42	Share of Gujrat Campus out of multi-campuses projects	8.556
	Total	**8.556**

Quetta

S#	Name of the Project	Capital Cost
43	Share of Quetta in Multi-campus projects	3.000
	Total	**3.000**
	Total (HEC+MoST)	**8356.103**

Ministry of Information Technology (MoIT)

Rs. In Million

S#	Name of the Project	Capital Cost
44	Information Technology Resource Development Medical Transcription Training for Young Doctors and Graduates. (Revised)	20.003
45	IT Faculty Hiring Program (Revised)	24.903
46	Information Technology Resource Development: Pilot Project for Producing 1000 Developers in Java Technology (Revised)	39.682
47	Information Technology Resource Development of Federal Govt. Employees in BPS 5-15 in IT (Revised)	20.339
48	Information Technology Resource Development IT Training of Graduates having MS/BE Degree from Baluchistan (Revised)	12.788
49	Technology Resource Mobilization Unit TReMU (Revised)	14.504
50	Information Technology Resource Development Legal Transcription Training (Revised)	35.200
51	Renovation of Administration, Auditorium and other Blocks of Higher Education Commission, Islamabad	21.949
52	Construction of C&T Building, Higher Education Commission, Islamabad	39.785
53	Information Technology Resource Development Medical Transcription Training for Young Doctors and Graduates. (Revised)	32.535
	Total	**261.688**
	Grand Total (HEC +MoST+MoIT)	**8617.791**

Annexure C: List of On-Going Development Projects

The Project wise allocations and releases of on-going development projects for 2019-20 are as under:

S#	Name of the Project	Capital Cost	Allocation	Releases
	Higher Education Commission			
i)	Establishment of CIIT Campus at Abbottabad	861.269	50.000	0
ii)	National Centre of Artificial Intelligence Islamabad	97.570	41.010	41.010
iii)	Upgradation of Engineering and Computer Labs at CUI, Attock	54.559	0	0
	Total HEC (a)	1013.398	91.010	41.010

S#	Name of the Project	Capital Cost	Allocation	Releases
	Ministry of Science and Technology			
i)	Establishment of Center for Advanced Technologies in Biomedical Materials (Knowledge Economy Initiative)	849.328	631.190	540.598
	Total MoST (b)	849.328	631.190	540.598
	Grand Total (a+b)	1862.726	722.20	581.608

Annexure D: Detail of CARC and DARC Meetings

The Project wise allocations and releases of on-going development projects for 2019-20 are as under:

#	Meeting #	Date
	CARC Meetings-UMS for Quality and Productivity Improvement at All CUI Campuses during Fall 2019 Semester	
1	1st Meeting	September 16, 2019
2	2nd Meeting	November 07, 2019
3	3rd Meeting	December 23, 2019
4	4th Meeting	January 04, 2020
5	5th Meeting	February 03, 2020

CARC Meetings-UMS for Quality and Productivity Improvement at All CUI Campuses Except Abbottabad Campus during Spring 2020 Semester

#	Meeting #	Date
1	1st Meeting	March 04, 2020
2	2nd Meeting	April 23, 2020
3	3rd Meeting	June 08, 2020
4	4th Meeting	June 19, 2020
5	5th Meeting	July 20, 2020

CARC Meetings-UMS for Quality and Productivity Improvement at CUI Abbottabad Campus during Spring 2020 Semester

#	Meeting #	Date
1	1st Meeting	March 16, 2020
2	2nd Meeting	April 30, 2020
3	3rd Meeting	June 15, 2020
4	4th Meeting	June 26, 2020
5	5th Meeting	July 27, 2020

DARC Meetings-UMS for Quality and Productivity Improvement at All CUI Campuses during Fall 2019 Semester

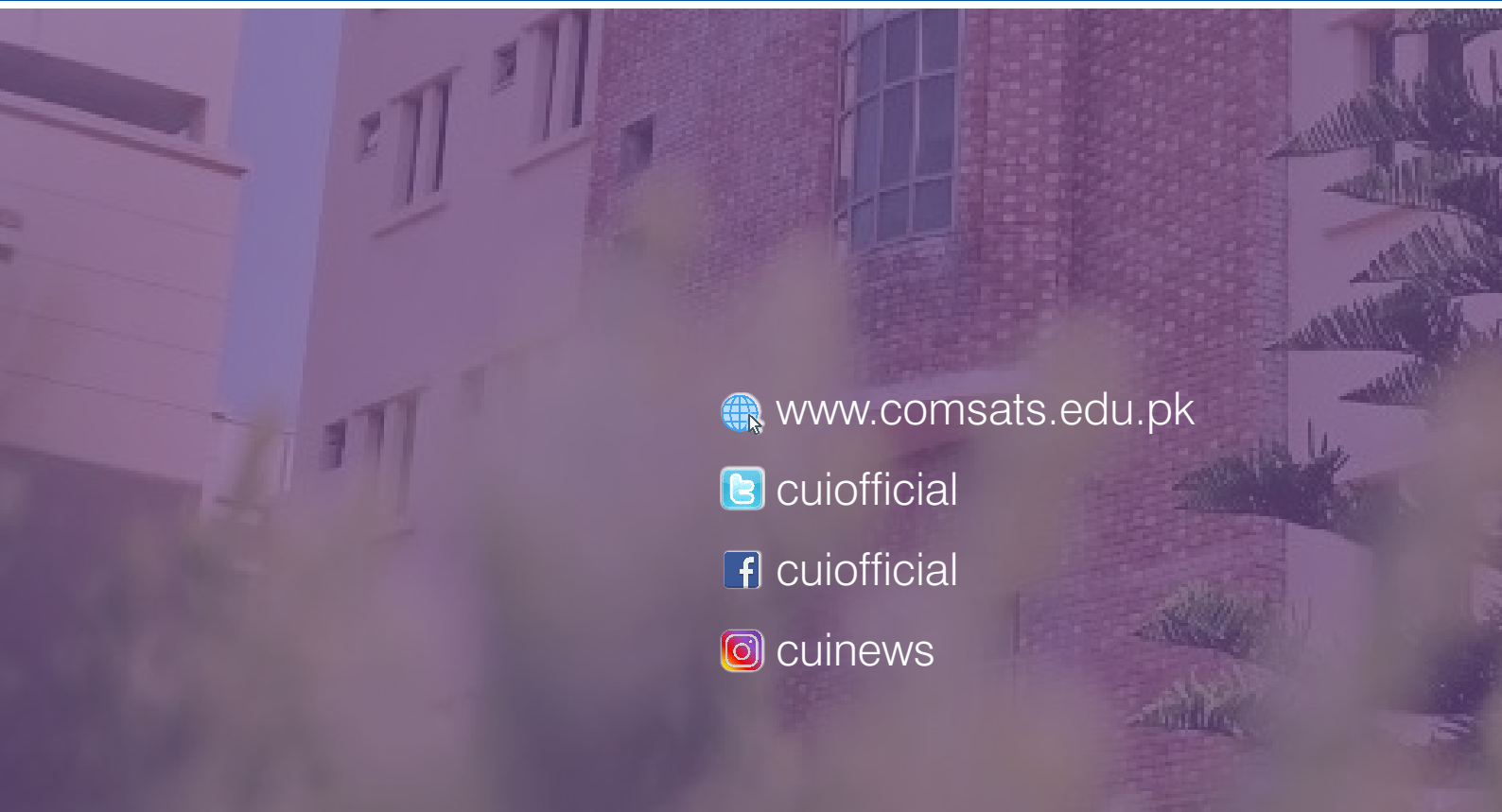| #	Meeting #	Date
1	1st Meeting	September 13, 2019
2	2nd Meeting	September 25, 2019
3	3rd Meeting	October 11, 2019
4	4th Meeting	November 04, 2019
5	5th Meeting	December 02, 2019
6	6th Meeting	December 16, 2019
7	7th Meeting	December 27, 2019
8	8th Meeting	January 01, 2020
9	9th Meeting	February 03, 2020

DARC Meetings-UMS for Quality and Productivity Improvement at All CUI Campuses Except Abbottabad Campus during Spring 2020 Semester

#	Meeting #	Date
1	1st Meeting	March 02, 2020
2	2nd Meeting	March 16, 2020
3	3rd Meeting	April 06, 2020
4	4th Meeting	April 20, 2020
5	5th Meeting	May 18, 2020
6	6th Meeting	June 01, 2020
7	7th Meeting	June 12, 2020
8	8th Meeting	June 17, 2020
9	9th Meeting	July 17, 2020

DARC Meetings-UMS for Quality and Productivity Improvement at CUI Abbottabad Campus during Spring 2020 Semester

#	Meeting #	Date
1	1st Meeting	March 12, 2020
2	2nd Meeting	March 25, 2020
3	3rd Meeting	April 13, 2020
4	4th Meeting	April 27, 2020
5	5th Meeting	May 28, 2020
6	6th Meeting	June 08, 2020
7	7th Meeting	June 19, 2020
8	8th Meeting	June 24, 2020
9	9th Meeting	July 24, 2020