ANNUAL REPORT
2012-13

COMSATS Institute of Information Technology (CIIT)

CONTENTS

Dr. S. M. Junaid Zaidi, S.I.

The year 2012-13 brought many memorable and blissful moments for COMSATS Institute of Information Technology (CIIT). The Annual Report in hand will take you through the achievements and accomplishments made by the Institute during the FY 2012-13. I am glad to share with you these achievements and the highlight of these achievements is that CIIT was ranked at number 4 in General Universities (Large) category by Higher Education Commission (HEC) of Pakistan.

The tremendous success of CIIT is attributed to committed, creative and enthusiastic human resource, focus on quality, and drive to create a difference in the higher education sector. It is this dedication that led to an ever increasing student enrolment at CIIT. Besides, the Institute is also diversifying its academic programs according to the changing requirements all around the globe and is simultaneously expanding its campuses country wide to make higher education accessible to people. The expansion of distance learning program is an important addition in this regard. The student enrolment during the reporting year stands at 22,860 while the number of programs offered is 73. In order to cater to ever increasing number of students, the need for qualified and competent faculty becomes certain and the strength of faculty has reached to 2,269. The faculty at CIIT is never short of opportunities to pursue the higher degrees abroad and develop themselves. By the close of reporting year, 22,560 students have graduated including 37 PhDs from the Institute.

Determined to do even better, the Institute is utilizing all its resources to bring innovation, creativity and pragmatic approach in the education system with continuous focus on the quality of processes and procedures.

CIIT is proud of its achievements and is ready to combat all challenges ahead.

Dr. S. M. Junaid Zaidi, S.I.
Rector

Rector's Message

Executive Summary

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. The CIIT has completed its 13 years and I am ecstatic to share that the Institute has been continuously improving through out its journey and the year 2012-13 is no exception.

This Annual report starts with an overview of the Institute, highlighting some important facts like mission, vision, and structure of Institute. The first chapter befittingly covers the academic activities describing the variety of programs being offered. Establishment of China Study Center and Center for Climate Research and Development is also worth mentioning. CIIT is proud to be awarded with 1" Federation of Pakistan Chambers of Commerce and Industry Achievement Award for its outstanding services in education and training category for 2012. The opening chapter states details of such accomplishments besides the national and international linkages made. During the reporting period, 23 international MoUs have been signed.

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 Technomoot, Frontiers of Information Technology (FIT), and SAICON, Pak-China Business Forum, Vice Chancellors' Forum, 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 611 making a total of 2,589. CIIT also has the honor of being ISO 9000:2008 certified, which is the most popular standard of Quality Management System internationally. The third chapter is about Quality Assurance and significant steps taken in ensuring quality of education and research in the Institute. The Quality Enhancement Cell (QEC) of CIIT was placed in the top category "W" on April 2012 by the HEC among 84 QECs of universities countrywide. CIIT understands the importance of competent faculty and to provide them with opportunities for growth

& development. Chapter four describes Faculty Development at CIIT. The Faculty Development Program of the Institute is the largest faculty development program among the universities/institutions of higher education in the country. The faculty members stand at a figure of 2,269 during the reporting period including 602 PhD's. Until June 30, 2013, 350 scholars have returned after completing their higher studies abroad and rejoined the CIIT. Faculty Development Academy (FDA) provides both pre-service and in-service trainings to cater different needs of the faculty. Foreign faculty is also hired in order to provide diversity among the faculty.

Chapter five deals with the basic facts about the students like enrollment, equity, and faculty-student ratio, etc. The student enrollment as of June 30, 2013 is 22,860. The highest enrollment was observed in Faculty of Engineering with 6,944 students.

The next chapter, Universities Building Economies, contains the information on linkages established with the industry and the activities of Technology Incubation Center (TIC) in promoting entrepreneurship besides establishment of University-Industry Consortia. The Institute understands and realizes its duty of providing students with as all possible help and guidance during their stay at CIIT. In order to help them in their career development, CIIT 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 2012-13, CIIT has completed 28 development projects, while 12 projects are on-going. New research equipment was purchased during the reporting period at campuses for a variety of purposes. The library at CIIT provides access to more than 33,000 high quality journals/ articles/ databases through HEC's Digital Library provision. Chapter nine provides information about the public service activities, which CIIT feels its obligation.

Besides education, 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 tells about Office of Development, its initiatives and future plans. The report in hand ends with chapter fifteen, which provides generic details about medical/ health facilities available at campuses of CIIT, and counseling service being provided for stress reduction. The report concludes with relevant annexure supplying the date and information contained in the main chapter of the report.

Prof. Dr. Izhar Hussain
Registrar

COMSATS Institute of Information Technology
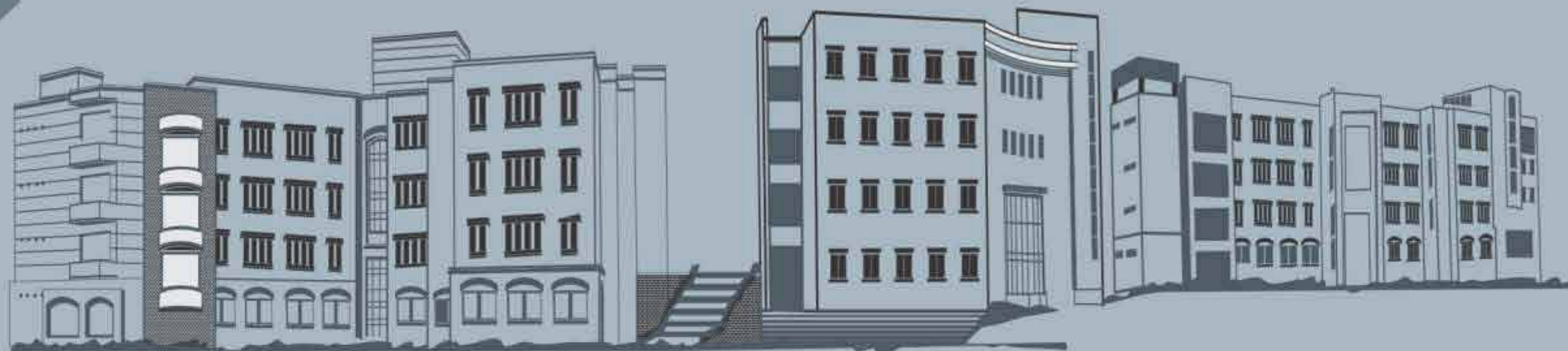
was established in 1998 and since then, it has become one of the major leading higher education institutes. Its futurist leadership, relentless positive energy, and fervent human resource earned CIIT a Degree Awarding Charter from the Government of Pakistan in 2000.

CIIT is a multi-campus Institute offering assorted degree programs in the fields of Science, Engineering, Information Sciences and Technology, Architecture and Design, and Business, etc. Currently, there are seven functional campuses of CIIT at Islamabad, Abbottabad, Wah, Lahore, Attock, Sahiwal, and Vehari along with a Virtual Campus for distance learning program.

Vision

The CIIT 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 respectively in the

5, and 10 years time horizon. 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 Institute'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 and 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 Structure

Patron
(President of Pakistan)

Chancellor
(Federal Minister for Science and Technology)

Chairman Board of Governors
(Executive Director COMSATS)

Rector

Secretariats

- Pro-Rector
- Registrar
- Treasurer
- Director (P, D and HRD)
- Controller of Examinations

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
- Dean of Research, Innovation and Commercialization

Campuses

- In charge Islamabad
- Director Abbottabad
- Director Wah
- Director Lahore
- Director Attock
- Director Sahiwal
- Director Vehari
- Director Virtual Campus

Faculties, Departments and Research Centers

5 faculties, 18 departments, and 7 research centers were functional at CIIT during the reporting period and are presented below:

Faculty	Departments/Research Centers
Faculty of Information Sciences and Technology	Department of Computer Science • Health Informatics Unit
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
Faculty of Engineering	Department of Electrical Engineering • Center for Advanced Studies in Telecommunication (CAST) • Center for Professional Development 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 (IRCBM) Department of Meteorology • Center for Climate Research and Development Department of Physics Department of Pharmacy Department of Earth Sciences Department of Chemistry Department of Environmental Sciences
Faculty of Architecture and Design	Department of Architecture

Board of Governors as on June 30, 2013

Sr No.	Members
1	**Dr. Imtinan Elahi Qureshi, T.I.** Chairman, BoG CIIT, and Executive Director Commission on Science & Technology for Sustainable Development in the South (COMSATS), Islamabad
2	**Mr. Akhlaq Ahmed Tarar** Secretary, Ministry of Science and Technology, Islamabad
3	**Mr. Ahmed Bakhsh Lehri** Secretary, Ministry of Education and Training , Islamabad
4	**Prof. Dr. Atta-ur-Rahman, FRS** N.I., H.I., S.I., T.I., Patron-in-Chief , International Center for Chemical and Biological Sciences, University of Karachi, Karachi
5	**Dr. Inam-ur-Rahman, S.I., A.I.K.** Scientist Emeritus (PAEC), Rawalpindi
6	**Mr. Anwar H. Rammal** Chairman, Asiatic Public Relations Network (Pvt.) Limited, Karachi
7	**Dr. Mohammad Yaseen** Former Chairman, Pakistan Telecommunication Authority (PTA), Islamabad
8	**Dr. Naveed A. Malik** Former Rector/Advisor, Virtual University, Lahore
9	**Dr. S. M. Junaid Zaidi, S.I.** Rector, COMSATS Institute of Information Technology, Islamabad
10	**Dr. Haroon Rashid, S.I.** Pro-Rector/Director CIIT Virtual Campus, COMSATS Institute of Information Technology, Islamabad
11	**Prof. Dr. Izhar Hussain** Registrar, COMSATS Institute of Information Technology, Islamabad
12	**Dr. Mahmood A. Bodla** Director, COMSATS Institute of Information Technology, Lahore
13	**Dr. Khan Gul Jadoon** Director, COMSATS Institute of Information Technology, Abbottabad
14	**Dr. Sherzada Khan** Director, COMSATS Institute of Information Technology, Attock
15	**Dr. Abdul Waheed** Director, COMSATS Institute of Information Technology, Sahiwal
16	**Dr. Tayyeb Akram** Director, COMSATS Institute of Information Technology, Wah Cantt
17	**Dr. Khair-uz-Zaman** Director, COMSATS Institute of Information Technology, Vehari
18	**Prof. Dr. Shahid A. Khan** Incharge, Islambad Campus, COMSATS Institute of Information Technology, Islamabad
19	**Prof. Dr. Sajjad Mohsin** Dean, Faculty of Information Science and Technology, COMSATS Institute of Information Technology Park Road, Chak Shahzad, Islamabad
20	**Prof. Arch. Zain ul Abedin** Dean, Faculty of Architecture, COMSATS Institute of Information Technology, Islamabad

Academic Activities

Programs Offered

CIIT continues to introduce new programs in various fields to keep pace with the changing demands of the environment. The number of programs offered during 2012-13 is 73, which includes 36 undergraduate and 37 graduate programs. The list of programs is given below:

Undergraduate Programs

Bachelor of Science in

Bioinformatics, Bio-Sciences, Bio-Technology, Business Administration, Business Studies, Chemical Engineering, Civil Engineering, Computer Engineering, Computer Science, Commerce, Development Studies, Earth Sciences, Economics, Electrical Engineering, Electronics, Electronics Engineering, Environmental Sciences, Mathematics, Mechanical Engineering, Physics, Power Engineering, Psychology, Software Engineering, Telecommunication Engineering, Telecommunication and Networking

Doctor of:

Pharmacy

Bachelor of:

Architecture, Design, Fine Arts

Master of:

Business Administration (3.5 yrs), 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, Bioinformatics, Biotechnology, Biosciences, Chemistry, Chemical Engineering, Computer Science, Computer Engineering, Development Studies, Electrical Engineering, Environmental Sciences, Energy Management, Health Informatics, Management Sciences, Mathematics, Meteorology, Nanosciences and Nanotechnology, Pharmacy, Physics, Project Management, Remote Sensing and Geographic Information System, Sustainable Water Sanitation Health and Development, Statistics

PhD in:

Biosciences, Biotechnology, Computer Science, Chemistry, Chemical Engineering, Computer Engineering, Electrical Engineering, Environmental Sciences, Mathematics, Management Sciences, Meteorology, Pharmacy, Physics

New Programs Launched: During the reporting period, 8 new programs were launched to increase the diversity of the programs offered. These were Bachelor of Science in Electrical Engineering, Software Engineering, Civil Engineering, Biotechnology, Psychology, Business Studies, Bachelor of Fine Arts, and Master of Science in Statistics.

CIIT Virtual Campus started with 4 programs and now it is offering 10 programs. The new programs offered during the reporting period include Bachelor of Science in Software Engineering, Business Studies, Master of English, Mathematics, Public Administration, and Master of Science in Project Management.

Academic Achievements

China Study Center: China Study Center (CSC) was established in January 2013 with a vision to promote China as the most significant geopolitical and economic partner of Pakistan. It seeks to promote Pak-China friendship, cooperation in scientific, economic, cultural, educational, and other fields.

During the reporting period, CSC organized various events. Few of the major events included Pak-China Business Forum (March 2013), seminar on Pak- China Relations: Perspective of Pakistan and Chinese think tanks in March 2013, Commencement of Chinese Language Classes, Commencement of research on country papers based exclusively on Chinese sources in April 2013, Establishment of Chinese alumni in May 2013 and Establishment of China Student Society (CIIT) in June 2013. Besides, a talk series titled learning from China was initiated. During the reporting period, two sessions of these talks were held in March and May 2013.

Establishment of Department of Statistics: The Department of Statistics has

been established at CIIT Lahore in March 2013. The core objective of the Department is to acquaint students with statistical concepts and techniques to analyze the data and undertake empirical research. The courses are designed to develop specific skills for those who plan their careers in statistics, business, government, industry, and teaching. The programs offered through this department are Master of Science in Statistics.

Clean Room: A Clean Room/Module measuring 10x10 ft was established in March 2013 at Lahore Campus in order to upgrade research facilities and to have multi-class clean zones to facilitate appropriate entrance and exit mechanisms and Class-specific experimental work at IRCBM. IRCBM work involves biomedical materials, which are aimed at orthopedics, dentistry and skin applications - lab development, lab biological testing, animal testing and future human trials. It is envisaged that Clean Room facility will impact IRCBMs multidisciplinary research positively and will ensure adherence to ethical and regulatory protocols.

Center for Climate Research and Development: CIIT established a Center for Climate Research and Development in the Department of Meteorology in April 2013 in collaboration with Potsdam Institute for Climate Impact Research (PIK), Germany. The

major objective of this center is to study extreme weather conditions and associated environmental challenges. The center will help to improve capabilities for scientific research as well as to carry out studies and proposals on the consequences of climate change leading to formulation of adaptation and mitigation strategies.

Establishment of Laboratories: CIIT keeps on establishing new and state-of-the-art laboratories at its campuses. The number of laboratories has increased from 167 to 218 during the reporting period. Few of these laboratories are Computer Vision Intelligent Laboratory, Grid Computing Laboratory, Wood Workshop, Mac Laboratory, Molecular Medicine Laboratory, Nanobio technology Laboratory, and Proteomics Laboratory, etc.
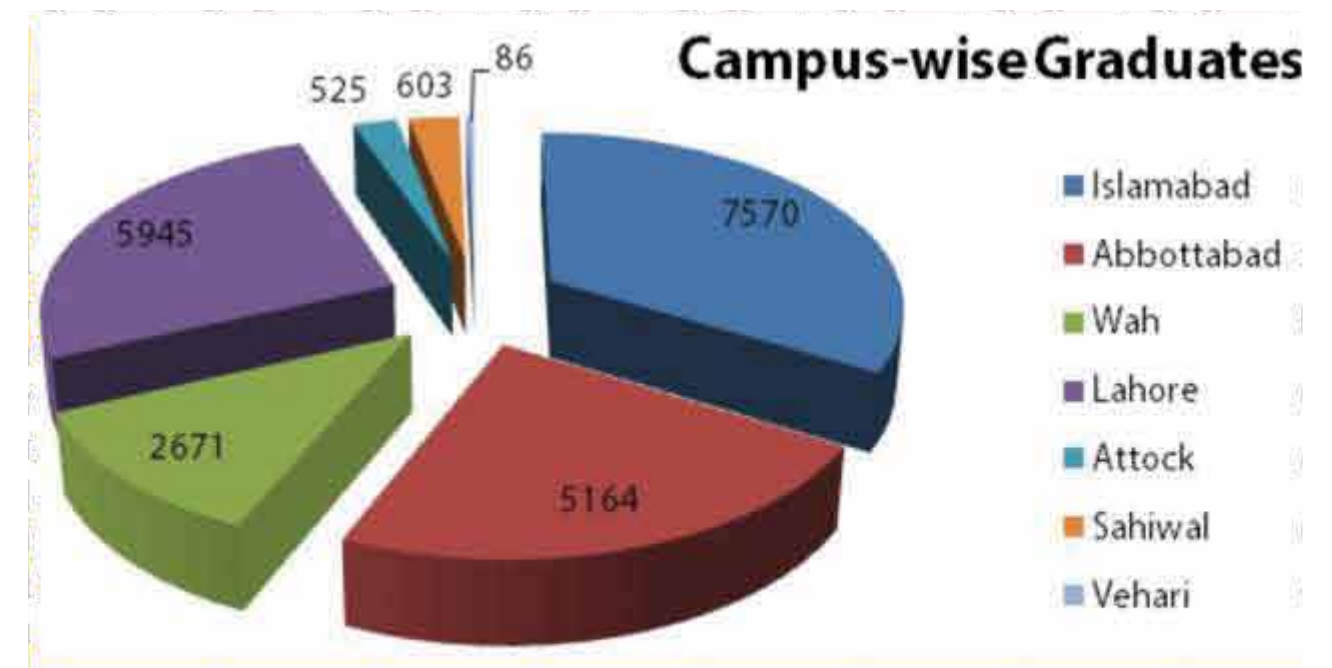
Applied Security Engineering Research Group: Applied Security Engineering Research Group (ASERG) has been established at CIIT Islamabad in April 2013. It focuses on projects of applied nature related to information security domain. The group specializes in IT Infrastructure protection, intrusion detection, identity management, access control and trusted computing. The objective of this group is to undertake research and development in the area of security information management and to execute ICT R&D funded project, "Cross

Domain Access Control and Delegation in Enterprise Application".

Convocations: What can be a better moment for a student than to receive a reward for his hard work and dedication; a degree. It is a moment of achievement and convocation is held to create such moments. Until the period in review, 51 convocations are held by CIIT, out of which following were held during the reporting period.

#	Convocation	Campus	Date
1	46	All Campuses	September 17, 2012
2	47	Sahiwal & Vehari	March 16, 2013
3	48	Lahore	March 18, 2013
4	49	Wah and Attock	March 30, 2013
5	50	Abbottabad	April 6, 2013
6	51	Islamabad	April 9, 2013

Till June 30, 2013, CIIT has produced 22,564 graduates out of which 37 are PhDs. During the reporting period, 4,551 graduates were produced.

Campus-wise Graduates

525 603 86

7570

5945

2671

5164

- Islamabad
- Abbottabad
- Wah
- Lahore
- Attock
- Sahiwal
- Vehari

Award of Laptops: 622 students of CIIT were awarded laptops by the Chief Minister, Punjab in the laptops distribution ceremony organized by Government of Punjab in February 2013.

These students were selected on the basis of merit. Out of 622 CIIT students, 186 were given laptops in the ceremony held at Convention Center, Islamabad, while remaining 436 students were awarded laptops at Government Post Graduate College for Boys, Rawalpindi.

Foreign Academic / Institutional Linkages

In order to promote the cross cultural interaction, polishing the skills and providing education par excellence to its students, CIIT keeps on exploring the opportunities to come into agreements for establishing holistic academic linkages with prestigious international universities from technologically advanced countries.

During the reporting period, 23 more international MoUs were signed with the reputed institutions and organizations from Malaysia, Italy, Germany, France, Spain, Portugal and various countries of the Middle East, African continent and Central Asian Republics.

Also in order to benefit from a mutuality of purpose, 07 national MoUs with prestigious higher education institutions and R&D organizations representing various provinces of Pakistan were conceived and signed.

The purpose of these MoUs ranges from exchange and training of scientific personnel for cooperation in research and development activities, human resource development and availing internships at these reputed organizations.

The detail of few of these linkages is as follows:

▶ **GET Lab, Paderborn University, Germany:** 3D GIT laboratory at CIIT Islamabad is working in collaboration with GET Lab, Paderborn University, Germany since November 2012.

▶ **The Abbant Izzet Baysal University, Bolu, Turkey:** A Memorandum of Agreement (MoA) was signed between the Abbant Izzet Baysal University, Bolu, Turkey and CIIT on July 20, 2012. This MoA was the result of the visit of Prof. Dr. Cenap Ozel from University of Abant Izzet Baysal, Bolu, Turkey.

▶ **Commonwealth Fellowship:** Association of Commonwealth Universities (ACU) has selected CIIT to host a Commonwealth Fellow on full funding from the ACU's newly establish Endowment Fund. The funding amount is up to £6,000 and is meant to cover all costs of the visit including return air travel, living and accommodation and stipend. The

Commonwealth Fellow must be a qualified academic from any Commonwealth country who would (other than Pakistan) come to CIIT to assist in enhancing the teaching and research activity in any discipline available at CIIT through a mutually agreed program of work. The recipient would be selected by CIIT and the fellowship has to be availed till July 2014.

▶ **COMSATS Association of American Graduates (CAAGs):** CIIT officially launched the COMSATS Association of American Graduates (CAAGs) on June 12, 2013 at CIIT Islamabad. The launching ceremony of CAAGs was inaugurated by Mr. Richard E Hoagland, Deputy Chief of Mission, US Embassy in Islamabad.

Visits of Foreign Delegations

▶ A delegation from Cardiff University and Cardiff Metropolitan University, Wales, UK visited CIIT on March 28, 2013. The delegation comprised of Ms. Siobhan Robinson, Deputy Director, International Office, Cardiff University and Mr. Owain Llwyd, Senior International Marketing Officer, Cardiff Metropolitan University, along with the Chief Executive of Islamic Banking and Finance Center, UK, Mr.

Akmal Hanuk. The delegation was keen on developing holistic academic linkages with CIIT.

▶ A three-member delegation of the University of Malaya (UM), Malaysia, visited CIIT from April 15-19, 2013 to interview potential candidates of Computer Science under its Bright Sparks Program (BSP). The delegation comprised of Professor Dr. Siti Salwah Salim, Dean, Faculty of Computer Science and IT, Dr. Laiha Mat Kiah, Associate Prof / Dy. Dean (Post Graduate) and Dr. Abdullah Gani, Associate Prof / Dy. Dean (Research). As a result of the said visit, 18 faculty members from Department of Computer Science were selected for Ph.D. study at the University of Malaya under their Bright Sparks Program (BSP).

▶ H.E. Adriano Chiodi Cian Farani, the Italian Ambassador, visited CIIT on April 22, 2013. The purpose of the visit was to extend CIIT's outreach to Italy to learn from the best practices of the Italian higher education institutions and research organizations and to build fruitful academic bridges between the two countries.

▶ H.E. Peter Heyward, the Australian High Commissioner to Pakistan paid a visit to CIIT on June 13, 2013 and expressed his felicitations to CIIT on its accomplishments during its short history. He also discussed the strengths and opportunities in Australian higher education that could be availed by CIIT. scholarships and fellowships being

offered by the Australian universities were also identified for the faculty and students of CIIT to compete for and avail.

▶ A three-member delegation of UNESCO visited CIIT Islamabad Campus on June 17, 2013. The delegation consisted Dr. Kozue Kay Nagata, Director and Representative UNESCO, Islamabad, Mr. Jawad Aziz, Coordinating Officer, UNESCO, Mr. Adnan Ahmed, Coordinating Officer, UNESCO. The purpose of the visit was to explore possibilities and opportunities to work collaboratively for quality and diversity in education using built architecture as a resource.

▶ A high profile delegation comprising of Prof. Mark E. Smith, Vice Chancellor, Prof. Robert McKinley, Deputy Vice Chancellor

(International) and Ms. Nicola Owen, Chief Administrative Officer from Lancaster University, UK visited CIIT Lahore and Islamabad from June 18-21, 2013. Detailed discussions to review the existing Dual Degree Program and future steps to be undertaken to make the relationship more purposeful and productive were held between the CIIT team and Lancaster University delegation.

Honors and Awards

CIIT has never been short of people who are capable enough to bring joyous moments for the institute. Every member of CIIT strives to add a flower to the bouquet of achievements, honors, and awards. During the reporting period, following honors/awards were bestowed upon members of CIIT:

▶ Dr. S. M. Junaid Zaidi, S.I., Rector CIIT, was awarded the honorary Doctor of Science degree by Lancaster University, UK on July 19, 2012.

▶ Three CIIT members were honored with civil awards in March 2013 by the Government of Pakistan. These recipients are:

Dr. Haroon Rashid, Pro-Rector CIIT, received Sitara-i- Imtiaz.

Dr. Jamshed Iqbal, Professor, Department of Pharmacy, CIIT Abbottabad received Tamgha-i-Imtiaz.

Dr. Sonia Zulfiqar, Assistant Professor, Department of Physics, CIIT Islamabad received Tamgha-i-Imtiaz.

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Faculty Members of CIIT have been honored with Research Productivity Award 2012, as announced by Pakistan Council of Science and Technology (PCST) on July 16, 2012, On the basis of their excellence in research productivity, as evaluated empirically by Journal Impact Factors (JIF), Citations Index (CI) and Peer Review.

▶ CIIT has been awarded with 1st Federation of Pakistan Chambers of Commerce and Industry Achievement Award for outstanding services in Education and Training Category for the year 2012.

▶ Ms. Sadaf Sajjad, Project Director, 3D GIT Lab, is representing 3D GIT Lab as Pakistani entrepreneurs in USA. She participated in panel discussion organized by GIST (Global Innovation through Science and Technology) on June 05, 2013. Her interview has been conducted live at Embassy of Pakistan, Washington DC by Voice of America.

▶ Dr. Nadeem Javaid, Assistant Professor, Center for Advanced Studies in Telecommunication, CIIT Islamabad, received Outstanding Service Award for BASNet Workshop chair with ANT13 Conference, June 25-28, 2013, Halifax, Nova Scotia, Canada.

▶ Dr. Imran Usman, Assistant Professor, Center for Advanced Studies in Telecommunication, CIIT Islamabad, received Certificate of Appreciation on May 17, 2013 from the highly renowned international journal "Journal of Electronic Imaging" for his long term services as a reviewer of the said journal for the year 2012.

▶ Dr. Shafayat Abrar, Associate Professor, Department of Electrical Engineering, CIIT Islamabad is the Winner of the 2012 Heinrich Hertz Prize Paper Award for excellent paper on "Adaptive Minimum Entropy Equalization Algorithm," IEEE Communications Letters. The prize was awarded at GLOBECOM 2012 in December 2012 in Anaheim, CA, USA.

▶ Mrs. Aqeela Asif, Assistant Professor, Department of Humanities, CIIT Islamabad has been awarded Gold Medal (Sir Syed) on, March 23, 2013 by Nazria-e-Pakistan Council (Trust), Islamabad for her outstanding achievements in the field of Pakistan Studies.

▶ Mr. Naseebullah, MS student was awarded the title of best speaker and Ms.

Maria Naeem, Physics department student, won best poster award in 13th National Symposium on Frontier in Physics held from December 19-21, 2012 in University of Peshawar.

- ▶ Students from the Department of Physics, won best poster in National Symposium on Materials Technology, American Society of Materials GIKI chapter" held from March 1-3, 2013 at Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Swabi, Pakistan.

- ▶ Students from the Department of Physics, won 3rd best poster award in sixth "Vacuum and Surface Sciences Conference of Asia and Australia (VASSCAA-6)" held from October 9-13, 2012 at Islamabad.

- ▶ Dr. Muhammad Amir Rashid, Assistant Professor, Department of Management Sciences, CIIT Lahore, won Best PhD Student Gold Medal in the 50th Convocation of University Technology Malaysia, held on May 6, 2013.

- ▶ CIIT Lahore students won second prize in IEEE project competition organized by Beaconhouse National University Lahore in June 2013.
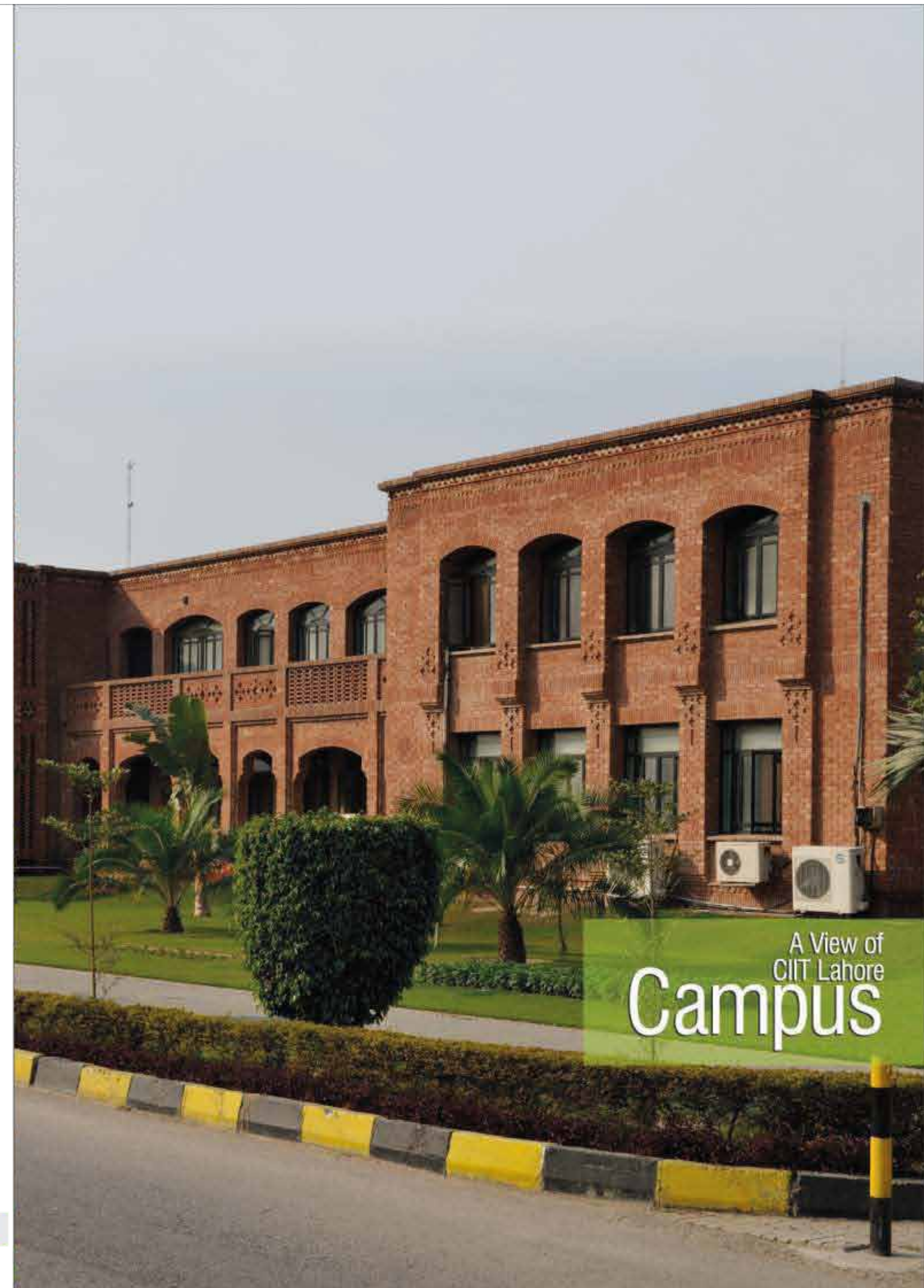
A View of CIIT Lahore
Campus

Research and Development

An Overview

The Office of Research, Innovation and Commercialization (ORIC) at CIIT came into its existence to provide a medium of outreach to the corporate world. Its mandate is to maintain relations with the corporate and industrial sector and inculcate their essence in the academic environment.

With the establishment of ORIC at CIIT in 2011, the institute now possesses a commercial hub for the research and its meaningful translation into running businesses thus promoting a culture of entrepreneurship and innovation in the institute.

Operations of ORIC

Mission

Promote a vibrant, innovative, and entrepreneurial environment for conducting quality research with an aim to grow knowledge economy. Strengthen university-industry linkages to formulate collaborative ventures with the corporate community and continuously improve CIIT curricula for meeting corporate needs. Develop strong and long-term bonds with policy making and research funding agencies to support research, development, innovation and commercialization incentives. Through business incubation and research/innovation park, promote entrepreneurship amongst CIIT faculty, staff and students.

Vision

▶ To be ranked amongst the best in research excellence and its market utility;
▶ Transforming research into prosperity;
▶ A change (innovation) in thought process.

Features

▶ ORIC Working Mechanism
▶ Proposal Evaluation Criteria
▶ Faculty Appraisal Mechanism
▶ CIIT IP / Legal Support Office & IP Policy
▶ CIIT Incubation Centers
▶ Youth Enterprise Generator Program
▶ University Industry Consortia
▶ Entrepreneurship Development Center
▶ Professional Development Center
▶ CIIT Holding Company
▶ CIIT Research/ Innovation Park

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

Newsletter

ORIC has initiated another venture by making a bridge to industry and reaching out to them through a semiannual newsletter. The newsletter contains all activities that are undertaken during six-month span at ORIC. It is aimed to convince the corporate sector and to apprise them of the current activities being undertaken at the institutional level. The maiden issue of the newsletter was published in December 2012.

Research Projects

The research projects at CIIT are commenced under different programs. The research projects/proposals approved, completed and in-process are as follows:

Research Projects Approved

#	Program	No of Projects	Amount (in Rs. Million)
1	National Research Program for Universities (HEC)	17	75.09
2	Pakistan Science Foundation (PSF)	1	2.10
3	ICT (R&D) Fund	3	61.14
4	Post Doctoral Fellowship Program	5	11.33
5	Start up (IPFP)	32	15.98
6	Pakistan Program for Collaborative Research (PPCR) HEC	1	0.28
7	Travel Grant to University Teachers	61	11.91
8	Seminar Conferences/ Workshops	4	2.58
9	SPEKE (British Council)	1	2.18
10	University of Columbia	1	2.13
11	Grand Challenges Canada	2	49.10

Research Projects Completed

#	Program	No of Projects
1	NRPU (HEC)	08
2	University Industry Technology Support Program (UITSP) HEC	01
3	Start up (FFHP)HEC	01
4	Pakistan Program for Collaborative Research (PPCR) HEC	01
5	COMSATS Research Grant Program (CRGP)	04
	Total	15

Research Proposals In-process

#	Program	No of Proposals
1	National Research Program for Universities	193
2	Start up (FFHP) HEC	02
3	Pakistan Program for Collaborative Research (PPCR) HEC	08
4	International Foundation for Science	16
5	Interim Placement of Fresh PhD's (IPFP)	50
6	Post Doctoral Fellowship Program	21
7	COMSTECH-ISESCO	28
8	COMSTECH-TWAS	01
9	Research Proposal British Council(Inspire)	02
10	Grants for Maintenance of Scientific Equipments &Spare Parts	03
11	ICT R & D Fund	06
12	Innovation Development Fund	16
13	Pakistan Agriculture Research Council	01
14	Pak US Joint Research	08
15	Pakistan Science Foundation	45

Research Publications

The CIIT has witnessed an enormous rise in the research publications during past few years, which indicates the magnitude of research being done by the faculty and students of the Institute. Until December 2012, 2,589 research papers have been published by CIIT faculty. A summary of the published research papers is provided below.
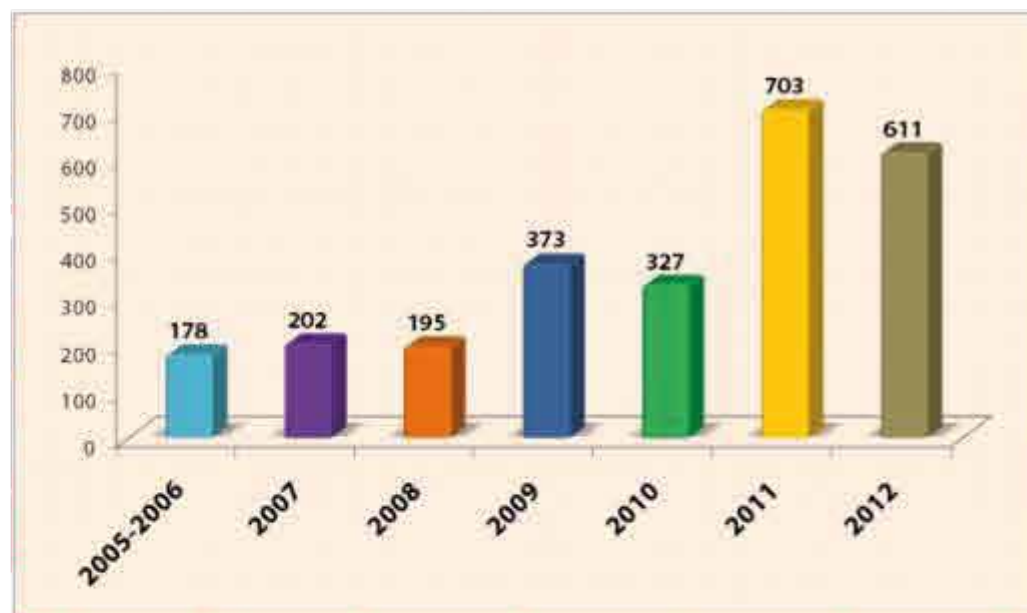
The impact factor of CIIT publications for the year 2012 was 513.

Conferences, Seminars and Workshops

Conferences, seminars and workshops are instrumental in providing information about latest academic research, current issues, new happenings, etc. CIIT has arranged more than 400 conferences, seminars, and workshops till date. The detail of the important ones held during the reporting period is given below:

Intellectual Property Rights Training: Intellectual Property Rights are an integral part of knowledge economy and the commercial rights of the organization/ inventor must be given legal protection to the extent that all the individuals and/or organizations involved in the process can benefit in a shared and predefined manner. Equipping Pakistani scientist, engineer, researcher, academician and incubation center managers with the knowledge of Intellectual Property Rights is the need of the time. Keeping this in view, a two day training workshop on Intellectual Property Rights was organized at Islamabad Campus from January 21-22, 2013.

Pak China Business Forum 2013: Continuing the tradition of being at the top when it comes to promising initiatives, CIIT organized the second Pak China Business Forum, from March 23-26, 2013. The prime focus of the event was to promote industry academia linkages encouraged and promoted by the academic entities in Pakistani and Chinese markets. The forum was fabricated in a way that maximum support was provided to the participants from the industry. This Pak China Business Forum 2013 witnessed greater participation from industry, government, business regulatory bodies and academic institutes of Pakistan and China.

Around 130 local and Chinese companies participated in the forum. The forum was co-organized by Islamabad Chamber of Commerce and Industry (ICCI) who also ensured participation by renowned brands of Islamabad region. From the Chinese side, the Pakistan Embassy in China and Chinese Embassy in Pakistan remained in contact with the CIIT authorities. The inter industry interactions were also among the highlights of the forum and 14 Memorandum of Understandings (MoUs) were also signed on the occasion. The Pak China Business Forum 2013 was inaugurated by Mr. Noor Muhammad Jadmani – Special Secretary, Ministry of Foreign Affairs.

Seminar on Development in Pakistan and Women Inclusive Strategies: The Center for Policy Studies at CIIT, organized a seminar titled Development in Pakistan and Women Inclusive Strategies on April 25, 2013. It was part of the on-going endeavors of the Center to highlight Issues of public Interest and generate wide discussion on policy issues.

Islamabad Campus

Lecture on Physics Enabled Virtual Reality for Interactive Scientific Experimentation: A lecture was organized by 3G laboratory on Physics Enabled Virtual Reality for Interactive Scientific Experimentation. It was delivered by Dr. Zaheer Aziz (UET Lab Germany) on August 8, 2012.

Workshop on Introduction to Computational, Graphing, and Data Analysis Techniques with MATLAB for Geosciences: The workshop was organized by Department of Meteorology from September 10-12, 2012.

Seminar on Remembrance day of October 08, 2005 Muzaffarabad Earthquake: Department of Meteorology in collaboration with Pakistan Academy of Sciences, Islamabad organized one day seminar on Remembrance day of October 08, 2005 Muzaffarabad Earthquake, in commemoration of the victims of 2005 Muzaffarabad earthquake havoc.

Dr. Mona Lisa, the then Head of Department of Meteorology and Professor Dr. M. Qasim Jan, Professor Emeritus, National Centre of Excellence in Geology (NCEG) Peshawar were the conveners of this seminar.

Symposium on Computational Biology: A one day symposium was held at CIIT Islamabad organized by Department of Biosciences on Computational Biology on November 8, 2012. Dr. Shahid Qamar from James Graham Brown Cancer Center, University of Louisville USA, presented a lecture.

Workshop on Current Research in Microbiology: A two day workshop was conducted by the Department of Biosciences on Current Research in Microbiology from November 29-30, 2012. Distinguish speakers, including Dr. Naveed Khan from University of John Hopkins and Agha Khan University conducted the workshop.

Workshop on Site Specific Installation/ Painting: A workshop was organized on Site Specific Installation/Painting by Department of Architecture, in November 2012.

Fourth SAICON: Since 2008, CIIT has been annually organizing "The South Asian International Conference" (SAICON) as the custodian of the South Asian Chapter of the

Academy for Global Business Advancement (AGBA). CIIT organized fourth SAICON from December 5-7, 2012. The theme of the conference was "International Emerging Knowledge Economy in the 21st Century: Opportunities and Challenges".

Seminar on Productive Language Skills and their Importance in University Life: The seminar was held on December 13, 2012 organized by Department of Humanities. The speaker was Mr. Habib-ur-Rehman, Assistant Professor, National University of Modern Languages, Islamabad.

Seminar on Enhancing Performance Productivity: Asian Competitiveness Institute (ACI), in collaboration with Small and Medium Enterprises Business Support Fund, Ministry of Finance, Government of Pakistan arranged one day workshop on Enhancing Performance Productivity at CIIT Islamabad on December 18, 2012. This course was specifically designed for capacity building of young professionals who were endeavoring to excel In their professional career.

Conference on Virtual Reality: A conference was organized by 3G laboratory regarding Virtual Reality through Video conferencing with Germany, on December 20, 2012.

Seminar on Why study equations with fractional derivatives: A seminar titled "Why study equations with fractional derivatives" was arranged by Department of Mathematics on December 20, 2012. The key speaker was Dr. Salman Amin Malik.

MIMO for Wireless Communications: A joint training session on MIMO for Wireless

Communications was arranged by Department of Electrical Engineering in collaboration with Pakistan Engineering Council on December 26, 2012. Around 54 participants from different parts of the country including Karachi, Nawabshah, Lahore, Faisalabad, Attock, Wah, Peshawar, Abbottabad, and Rawalpindi/Islamabad attended the training.

Seminar on Flow and Heat Transfer Over Stretching and Shrinking Surfaces: A seminar titled "Flow and Heat Transfer Over Stretching and Shrinking Surfaces" was arranged by Department of Mathematics on December 27, 2012. The key speaker was Mr. Syed Imran.

Seminar on Mathematics in Education and Research: A cross discipline seminar on the topic of "Mathematics in Education and Research" was held at CIIT Islamabad on January 31, 2013. Department of Biosciences arranged the seminar.

Seminar on Journal Categories: Research is a systematic addition to the existing body of knowledge. The research work needs to be published in a good journal as publications in a sub-standard journal does not get its true worth. A seminar on "journal Categories" was organized by Department of Humanities on January 31, 2013.

Mobile Monday: It is a monthly activity organized all over the world. In Pakistan, it is managed by Center for Advanced Studies in Telecommunication (CAST) of CIIT. Mobile Monday is an open community platform of mobile industry visionaries, developers and influential individuals. The basic objectives

of Mobile Monday are to invite industry leaders to academia and to showcase the research potential among the students and encourage innovation, to present innovative visions, trends, studies and forecasts in the sphere of technology, to contribute to the education for general public through its publications, online presence and media partnerships. Experts from Ufone, Warid, Zong, Telenor, Alcatel-Lucent, Huawei, ZTE, Wateen, Mobilink, ICT R&D Fund, AB Solutions and many other telecom based companies have been invited so far in the Mobile Monday. Seven sessions of Mobile Monday were organized during the reporting period.

Seminar on Winds of Change: Department of Electrical Engineering arranged a seminar in collaboration with COMSATS IDEA Society titled "Winds of Change" on February 06, 2013.

Seminar on Book Titled Education, Inequalities, and Freedom: A seminar was held about a book titled "Education, Inequalities, and Freedom", on February 7, 2013 published by Dr. Shahid Siddiqui, an eminent educationist. The goal of this seminar was to generate an enlightened discourse to highlight factors that have a direct impact upon our education system vis-à-vis politics and power.

Seminar on Influence of Black Carbon on Asian Climate: It was arranged by Department of Meteorology on March 1, 2013. The resource person for the seminar was Dr. Rashed Mahmood, Assistant Professor, Department of Meteorology.

Seminar on Discriminatory Behaviors toward Women with Disabilities: A seminar was organized on International Women Day on March 8, 2013. The event was organized by Department of Humanities with the collaboration of Association of Women for Awareness and Motivation Faisalabad.

International Symposium on Nano Photonics and Quantum Optics: A two day international symposium on Nano Photonics and Quantum Optics was organized by Department of Physics, from March 09-10, 2013.

Seminar on Dynamics of Active Phases of Monsoon over Pakistan: It was organized by Department of Meteorology on March 15, 2013. The resource person for the seminar was Dr. Faisal Saeed Syed, Assistant Professor, Department of Meteorology.

International Conference on Nanotechnology: It was organized by Center for Micro and Nano Devices, Department of Physics, from March 25-27, 2013, at Pak-China Friendship Center, Islamabad. The theme of the conference was Policy and Ethics in Science.

Seminar on Black Holes: A mysterious Relationship between Physics and Geometry: A seminar titled "Black Holes: A mysterious Relationship between Physics

and Geometry" was arranged by Department of Mathematics on April 16, 2013. The key speaker was Dr. Umber Sheikh.

Seminar on Introduction to Financial Derivative Securities and Black-Scholes Model: The seminar was arranged by Department of Mathematics on May 2, 2013. The key speaker was Dr. Ahsan ul Haq.

Seminar on Weak Structures and Generalized Topological Groups: A seminar titled "Weak Structures and Generalized Topological Groups" was arranged by Department of Mathematics on May 3, 2013. The key speaker was Mr. Murad Hussain.

GLOBE-ALL-MIX: GLOBE-ALL-MIX is a travelling international exhibition of a collection of '31 Posters for a Sustainable World'- designed by well known designers of the world. This time the exhibition included 31st poster by a Pakistani artist and CIIT Art Gallery was proud to host this event on May 27, 2013. The event was inaugurated by His Excellency, the Ambassador of Brazil in Pakistan.

Numerical Approximation of Population Balance Models for Cellular Processes in Biological System: The seminar was arranged by Department of Mathematics on

June 11, 2013. The Key Speaker was Ms. Shahzadi Mubeen Ur Rehman.

Web Development Workshops: Department of Computer Science arranged two summer workshops related to web development. One workshop was about Web Development Using PHP while the other one was about Web Development Using ASP .NET. These workshops commenced on June 24, 2013 and completed on July 5, 2013.

Seminar on Peace in Life: A one day seminar was organized by the Department of Humanities on June 25, 2013. The objective for organizing this workshop was to introduce a new approach by blending Islamic and psychological explanations of stress in terms of causes and management.

Abbottabad Campus

Spoken English Workshop: Realizing the importance of English as a medium of instruction in CIIT system, the Department of Humanities conducted a 5 days Spoken English workshop from July 16-20, 2012.

Tenth International Conference on Frontiers of Information Technology (FIT): A 3 day international conference on Frontiers of Information Technology (FIT), was hosted by the CIIT Abbottabad from December 17-19, 2012. Renowned scientist/engineer Dr. Nawaz Sharif, Principal Consultant, Myraid Solutions was the key note speaker. FIT has emerged as a leading forum in Pakistan for IT professionals and researchers to discuss and present the latest research trends and results

in the field of Information Technology. Besides oral presentation of 64 technical papers and 04 tutorials, 36 talks of renowned international and national speakers from leading universities were also part of the program. 5 PhD Symposiums were also held during the conference. Best IT Innovation Award (BITA) has been introduced in FIT 2012.

Workshop on Management Dynamics: A workshop on Management Dynamics was organized by the Department of Management Sciences on December 19, 2012. It is held regularly for the Human Resource Management students for enhancing their leadership and training abilities. The sixth event of the series of Management Dynamics was held under the supervision of Mr. Ubaid Ali, Lecturer, Department of Management Sciences. The theme for Management dynamics 6 was, "Managing Workforce Diversity".

NS-2 Workshop: In pursuance to the policy of professional grooming of engineers, the Department of Electrical Engineering in collaboration with PEC & ILG group, organized one day NS-2 workshop on January 26, 2013.

Seventh Workshop on PLC and SCADA Programming: It was organized at CIIT Abbottabad from February 8-10, 2013. This workshop had participants from Lahore, Faisalabad, Multan, Taxila and Islamabad, mostly being professional engineers from academia and industry.

Continuing Professional Development: Engineering Resource Center organized two workshops under Continuing Professional Development. The first workshop was titled "Industrial Automation and Control" held from February 13-15, 2013 while the second workshop was on "Microcontroller Applications" held from February 20-22, 2013. Students from University of Lahore, Bahauddin Zakriya University, UET Abbottabad, and Hazara University participated in these workshops.

Seminar on Plant Derived Smoke - A Bioenhancer and Biofertilizer: A seminar titled "Plant derived smoke: A Bioenhancer and Biofertilizer" was organized by Department of Environmental Sciences on March 13, 2013. Dr. Shafiq ur Rehman, Dean Faculty of Sciences, Kohat University of Science and Technology, presented his work related to smoke and its positive effects on plant growth.

Workshop on Electrical Machines: Department of Electrical Engineering organized a two days workshop on Electrical Machines (Matlab Based) from March 23-24, 2013. It was a joint venture of CIIT

Abbottabad and Pakistan Engineering Council under the umbrella of ILG. Key speakers of the workshop were Dr. Abdur Rashid, Engr. Siffat Ali Shah and Engr. Jamil Ahmad.

Workshop on Ethical Fitness - A Broader Perspective for Development: A Workshop on Ethical Fitness was organized by Department of Development Studies on March 30, 2013. The objective of the workshop was to lead the participants to realize the relationship of 'Ethical Fitness' with sustainable development contemplated in paradigms of equity and environment.

Technomoot 2013: CIIT Abbottabad organized a high-tech national level event consisting of seminars, symposia and exhibitions under the umbrella of TechnoMoot 2013 from May 27-28, 2013. Technomoot 2013 comprised of EMCOT (Electrical Engineering), Computational Complexities, Innovations and Solutions (CCIS, Mathematics), Vision ICT (Computer Science), MILES (Management Sciences), S-Dev (Environmental Sciences, Chemistry, Pharmacy and Development Studies), and HEIGHT (Humanities). Mr. Muhammad Ahsan Raja, Chairman Prime Minister's Inspection Commission, PM Secretariat, Islamabad graced the ceremony as the Chief Guest.

Seminar on Role of Youth in Democracy: A seminar on Role of Youth in Democracy was arranged by Department of Management Sciences on June 6, 2013. Syed Talat Hussain, an intellectual journalist of the country briefed the students of their role in developing the economy and becoming a successful nation.

Wah Campus

Seminar on Broadband Network Technologies: A seminar on "Broadband Network Technologies" was arranged on September 19, 2012 by the Department of Electrical Engineering. Mr. Aamer Hafeez, Assistant Professor, Department of Electrical Engineering, FAST Islamabad was the guest speaker. The objective was to help the students to identify their space in the industry in the field of Telecommunication and Networking. Future challenges in the field of Telecommunication remained the major focus of the seminar.

Seminar on Growth and Study of Silicon Based Hybrid Organic-Inorganic Nano Structures Studied Using Synchrotron Radiation: It was organized on October 09, 2012 by Department of Mathematics. Dr. Ansar Khalid, University of Paris VI (UPMC) Paris, France was the guest speaker of the event.

Workshop on Data Mining and Machine Learning: A workshop on Data Mining and Machine Learning was conducted on October 24, 2012 by Department of Electrical Engineering. Dr. Usman Qamar from NUST College of E&ME was the resource person for the workshop.

Workshop on Application of Spectral/ Spectral Homotopy Method in Fluid Mechanics: It was conducted on November 22, 2012 by Department of Mathematics. The guest speaker Dr. Tariq Javaid, Islamic International University, Islamabad delivered the presentation on the topic.

Seminar on Implicit Non-Stationary Flow Simulations with a Monolithic Off-Lattice Boltzmann Approach: It was organized on December 7, 2012 by Department of Mathematics. Dr. Rashid Mahmood, Air University, Islamabad delivered the presentation as guest speaker of the event.

Workshop on Climate Change, Water Resources of Pakistan and Future Prospects: One day workshop titled "Climate Change, Water Resources of Pakistan and Future Prospects" was organized on February 11, 2013 by the Department of Civil Engineering.

Workshop on Programming with Open Computer Vision: A workshop titled "Programming with Open Computer Vision" was organized by Department of Electrical Engineering on February 29, 2013. The workshop was one of the series of Continuing Professional Development activities. The objective of the workshop was to prepare the participants to use Open Computer Vision for

their research and development projects related to Computer Vision and Image Processing.

Workshop on Dynamic Modeling of Structure's Using Geo Studio: A workshop on "Dynamic Modeling of Structure's Using Geo Studio" was arranged on March 06, 2013 by the Department of Civil Engineering. The objective of the workshop was to highlight concepts, features, capabilities and some guidelines on dynamic numerical modeling of geotechnical structures using Geo Studio.

Workshop on Impact Analysis in Design of Reinforced Concrete Wall: One day workshop titled "Impact Analysis in Design of Reinforced Concrete Wall" was conducted on March 13, 2013 by the Department of Civil Engineering.

Seminar on World Water Day: One day seminar on World Water Day with the collaboration of UNESCO was arranged on March 22, 2013 by the Department of Civil Engineering. The objective of the seminar was to raise awareness among the academics, students and community members about the importance of water cooperation and water sharing at all levels.

Workshop on System Design Flow and Fixed-Point Arithmetic: A workshop titled "System Design Flow and Fixed-Point

Arithmetic" was arranged on May 17, 2013 by the Department of Electrical Engineering. The objective was to learn and discuss the system design flow and fixed-point arithmetic using fixed-point toolbox of MATLAB.

Ad hoc Network Simulations with GloMoSim: A workshop titled "Ad hoc Network Simulations with GloMoSim" was conducted by the Department of Electrical Engineering on June 12, 2013. Engr. Dr. Nadia Nawaz, Associate Professor, Department of Electrical Engineering, delivered the presentation and briefed the audiences. The workshop was one of the series of Continuing Professional Development activities. The objective was to perform simulation in GloMoSim for Adhoc Networks.

Workshop on Globalization and its Challenges: Department of Management Sciences, organized one day workshop titled "Globalization and its Challenges" on October 3, 2013. Mr. Muhammad Hammad Bashir, Project Director, NOUVAE, Energy Management Sciences, Islamabad was the Guest Speaker.

Lahore Campus

Seminar on Accounting and Auditing Procedures: The seminar was arranged by Department of Management Sciences in November 2012. Mr. Tariq Mehmood, Finance Manager, COUTURE, Dubai, UAE shared latest knowledge about the topic.

The Physics Colloquium I: It was organized by Department of Physics on November 15,

2012. Prof. Dr. Saleem Farooq Shaukat, Head, Department of Physics, was one of the key speakers. The objectives of the colloquium were research collaboration with other universities/institution, to enhance the research productivity, and discussions on the future endeavors.

Seminar on Passive Optical Networks: The seminar was organized by Department of Physics on December 15, 2012. Prof. Ivan Andonovic, Head of Broadband Networks, University of Strathclyde Engineering, Glasgow, UK was the key speaker.

Third International Symposium on Biomedical Materials, Recent Advances and Challenges: CIIT organizes the international symposium on Biomedical Materials regularly. The symposium was organized by Interdisciplinary Research Center in Biomedical Materials (IRCBM) from December 18-19, 2012. Prof. Ihtesham Ur Rehman, Prof. Jawwad Darr, Prof. Sheila McNeil, Prof. Ferrenti Wong, Prof. Sung Ha Park, and Prof. John Haycock were the key speakers during the symposium.

Workshop on Referencing Software: A workshop on Referencing Software was organized by IRCBM on December 20, 2012. Prof. Asif Hanif, Head, Department of Biostatistics, PGMI-GD shared the knowledge on the topic.

Workshop on Pediatric and Restorative Dentistry: A Pediatric and Restorative Dentistry workshop was organized by IRBCM on December 21, 2012. Prof. Ferranti Wong from Queen Marry University of London, UK shed light on the topic.

Seminar on Akhowat Model of Islamic Finance: The seminar was arranged by Department of Management Sciences in January 2013. Dr. Kamran Shams CEO Punjab Education Endowment Fund delivered a lecture about Awareness of Islamic Finance to students.

Seminar on Parametric Interactions in Complex Plasmas: A seminar on Parametric Interactions in Complex Plasma was organized by Department of Physics on February 28, 2013.

Global Forum on Islamic Finance: A Global Forum on Islamic Finance was arranged by Department of Management Sciences from March 11-13, 2013. The theme of the forum was New Realities New Challenges.

Some of the prominent speakers of the forum included Dr. Ishrat Hussain, Director, Institute of Business Administration, Karachi, Pakistan, Former Governor, State Bank of Pakistan, Prof. Dr. David Simm, Lancaster University, UK, Dr. Zamir Iqbal, World Bank, Prof. Dr. Kent Matthews, Cardiff University, UK, Prof. Dr. Monzer Kahf, Hamad bin Khalifa University, Qatar, Mr. Akmal Hanuk, CEO, Islamic Banking and Finance Centre, UK, Waheed Qaiser President and Vice Chairman, Maxim Corporate Finance LLP PT Gain Crescent Capital, UK, Dr. M. Kabir Hassan Professor of Finance, University of New Orleans.

Seminar on Trade with India New Horizon for Coming Entrepreneur: It was organized by Department of Management Sciences in March 2013. Mr. Sajid Saleem, Chairman, All Pakistan Readymade Garments Association was the key speaker of the seminar.

Seminar on Social Entrepreneurship: A seminar on Social Entrepreneurship was organized by Department of Management Sciences on March 5, 2013. Founder of Seeds of Education, Policy & Legal Awareness Association (SEPLAA) Foundation, Mrs. Ammara Farooq Malik enlightened the audiences on the topic.

Seminar on Development of a Multiagent Modeling Framework: A seminar was arranged on "Development of Multiagent Modeling Framework" by Department of Computer Sciences on April 19, 2013.

Seminar on Performance Analysis of Analog Network Coding: A seminar was arranged on "Performance Analysis of Analog Network Coding" based two way ampligy-and-forward system in mixed Rician and Nakagami-m fading environment by Department of Computer Sciences on May 9, 2013.

Symposium on Emerging Technologies: A symposium was arranged on Emerging Technologies by Department of Electrical Engineering on May 20, 2013. Dr. Arshad Hussain, Director FAST, and Dr. Noor Sheikh, UET Lahore, were key speakers of the symposium.

Seminar on Islamic Finance and Takaful: It was organized by Department of

Management Sciences on June 23, 2013. Key speakers were Mr. Tariq Saeed Chaudhry, Group Manager and Regional Head, Pak-Qatar Takaful Ltd., Mr. Muhammad Akhlaq, *Shari'ah* Advisor, Pak-Qatar Takaful Ltd.

Seminar on Developments in Islamic Finance: A seminar was organized tilled "Developments in Islamic Finance" by Department of Management Sciences on June 24, 2013. The key speakers were Mr. Mohammad Munir Ahmad, President IBL, Mr. Saleem Ullah, Director, IBD, SBP.

Workshop on Cell Culture, Oral and Maxillo-Facial Pathology: A Cell Culture, Oral and Maxillo-Facial Pathology workshop was organized by IRCBM from June 24-27, 2013, Dr. Syed Ali Khurram, Academic Clinical Lecturer, Oral and Maxillofacial Pathology, University of Sheffield, UK shared his expertise on the topic.

Attock Campus

Symposium on Research Innovations in Information Technology and Engineering: A two day research event was organized by the Departments of Computer Science and Electrical Engineering, from April 29-30, 2013. The symposium provided the opportunity for researchers within CIIT as well as from other universities to share their innovative ideas, present their on-going research works and

act as bridge between academia and industry persons.

Sahiwal Campus

Workshop on Quantitative Data Analysis using SPSS: Two day workshop on Quantitative Data Analysis using SPSS was organized by the Department of Management Sciences from October 22-23, 2012. The workshop was funded by Higher Education Commission (HEC).

Workshop on Applications of Modern Statistical Techniques in Research Using SPSS and EViews: A three day workshop titled "Applications of Modern Statistical Techniques in Research Using SPSS and EViews" was organized from January 22-23, 2013 by the Department of Management Sciences and was funded by HEC.

Seminar on Road Safety: An awareness seminar on road safety was organized by Department of Management Sciences on February 28, 2013.

Health Awareness Seminar: A Health Awareness seminar was arranged by the Department of Management Sciences on March 14, 2013.

Seminar on Solid Waste Management and Clean Environment: A seminar titled "Solid Waste Management and Clean Environment" was arranged on April 10, 2013 by the Department of Management Sciences.

Training Session on Sales: A one day training session on sales was organized by

the Department of Management Sciences on April 18, 2013.

Workshop on Qualitative Research using NVivo Software: A workshop on "Qualitative Research using NVivo Software" was organized by the department of Management Sciences from May 18-19, 2013. The workshop was funded by HEC.

Workshop on Renewable Energy Utilization to Resolve Energy Crisis in Pakistan: Department of Mechanical Engineering conducted a two-day workshop on "Renewable Energy Utilization to Resolve Energy Crisis Scenario in Pakistan" from May 21-22, 2013. Professor Dr. Mohammad Arfin Khan Lodhi was the guest speaker for the workshop.

Vehari Campus

First National Conference on Advancement in Sciences and Research:
First national conference on Advancement in Sciences and Research was held on February 27, 2012 in which 140 scholars participated for the purpose of providing a platform for discussion on the recent developments or advancements in sciences and research to the researchers and professionals from government, academia and industry, in the areas of agriculture, environmental sciences, computer sciences, management sciences, etc.

Foreign Research Collaborations

It is fundamental to establish International linkages to provide students and faculty with diverse experience and research opportunities. Such collaborations are integral for better access to knowledge and technology, understanding of different cultures, creating research networks, etc. CIIT has signed more than 140 MoUs so far, out of which 30 were signed during the reporting period. The detail of some of the initiatives in context of foreign linkages is as below:

Institute of Atmospheric Sciences and Climate of Italian National Research Center, Italy: To promote scientific and teaching cooperation, the Institute of Atmospheric Sciences and Climate (ISAC) of Italian National Research Center (CNR), Italy and CIIT Abbottabad signed a Memorandum of Understanding for teaching and scientific cooperation. Prof. Dr. Khan Gul Jadoon, Director CIIT Abbottabad, and Dott. Cristina Sabbioni, Director of ISAC-CNR, ITALY signed this MoU applicable since March 8, 2013. The main focus of the MoU is to cooperate in research and carry out common student, researcher, and teacher exchange programs.

Wichita University, USA: The research collaboration between Wichita University, USA and CIIT Lahore started in February 2013. The area of mutual interest for research between both institutes is Finance. Department of Management Sciences will be facilitated through this MoU.

Universiti Teknologi Malaysia (UTM), Malaysia: The Department of Chemical Engineering of Universiti Teknologi Malaysia (UTM), Malaysia and CIIT Lahore joined hands in December 2012. The purpose of this collaboration is to strengthen R&D Culture in the Muslim World.

University of Sheffield, UK: The research collaboration between University of Sheffield, UK and IRCBM, CIIT Lahore started in December 2012. The focus of the research will be on Extraction of Chitosan from indigenous sources and development of skin grafts. Professor Dr. Shiela Mac Neil is the focal person from the University of Sheffield.

Queen Mary University of London, UK: Queen Mary University of London, UK and IRCBM at CIIT Lahore initiated a collaboration to work jointly on certain projects on dental material in November 2012.

Aristotle University of Thessaloniki, Thessaloniki, Greece: School of Pharmacy of Aristotle University of Thessaloniki, Thessaloniki, Greece and IRCBM, CIIT Lahore initiated research collaboration in December 2012. The focus of the research will be on Medicinal Chemistry, and drug development.

King Fahd University of Petroleum and Minerals, Kingdom of Saudi Arabia: Affiliated College at Hafr al Batin of King Fahd University of Petroleum and Minerals, Kingdom of Saudi Arabia and IRCBM, CIIT Lahore will be involved in joint research in biomaterials. The collaboration started in March 2013.

World Premium Institute, Institute of Transformative, Bio-Molecules, Nagoya University, Japan: World Premium Institute, Institute of Transformative, Bio-Molecules, Nagoya University, Japan and IRCBM, CIIT Lahore initiated research collaboration in June 2013 to work jointly on transformative bio-molecules/thyroid receptors.

Nova Southeastern University, USA: School of Pharmaceutical Sciences, Nova Southeastern University, USA and CIIT Lahore will conduct joint research on Hydrogels for treating burns and drug delivery. The collaboration initiated in June 2013.

Moreover, the following faculty members of CIIT are doing research in collaboration with various foreign universities:

1. Dr. Saima Noreen (King Abdul Aziz University, Saudi Arabia)
2. Dr. Sadia Sidiqa (University of Dhaka, Bangladesh)
3. Dr. Imran Faisal (University of Kebansaan Malaysia, University Putra Malaysia, University of Technology Malaysia, University of New. England Armidalla, Australia, University of Salangor Malaysia, Kocaeli University, Turkey)
4. Dr. Shafiq-ur-Rehman (University of Buchavest, Romania, University of IOWA, IOWA city USA)
5. Dr. M. Awais (King Abdul Aziz University, Saudi Arabia, University of Burdwan West Bengal, India)
6. Dr. A. Q. Baig (Technical University, Letna, Kosica, Solvakia, Institute Teknologi, Bandung, Indonesia, University of Jazzan, KSA)
7. Mr. Ali Imran (Pennsylvania State University York, USA)
8. Mr. Faisal (Yazd University Iran, Alexandru Ioan Cuza University Romania, University DegliStudi Di Udine, Italy, University of Gjirokastra Albania, Prince of Sangkla University Thailand, South Valley University, Egypt)

Senior Experts Services (SES), Germany:
Senior Experts Services is a non-profit organization founded by German Industry to enable German retirees to pass on their expertise around the globe. CIIT has been benefiting from this organization for the last three years in which four senior experts visited CIIT and extended their valuable assistance. In 2012-13, a Senior Expert, Mr. Manfred Hake, came to assist CIIT in developing effective collaborative strategies with German Universities. He also widely lectured in all CIIT campuses on the topic "Doing a PhD in Germany."

Erasmus Mundus Mobility with Asia (EMMA): Since 2010, CIIT has been a partner in the Erasmus Mundus Mobility with Asia (EMMA) project under the Erasmus Mundus Program of the European Union (EU) for promoting cooperation and mobility in the field of higher education. Under this program students, faculty and staff of CIIT are eligible for study, training and research work in seven European Partner Universities. Under EMMA 2012, out of the 15 mobilities awarded, 12 selectees availed the award as follows:

#	Level	Countries				
		France (University of Nice)	Italy (University of Padua)	Romania (Lucian Blaga University of Sibiu)	Germany (University of Heidelberg)	Poland (University of Warsaw)
1	Bachelor	01		01		
2	Master					01
3	PhD	01	02	01	01	
4	Post Doc.	01	01			
5	Other (non-degree)			0		

Research at
CIIT

Quality Assurance and Enhancement

CIIT is committed to total institutional satisfaction by developing leading edge educational practices at all its campuses, and ensuring that the highest standard of excellence is accorded the top priority. This reflects CIIT's pledge to implementing Quality Assurance (QA) processes and Quality Enhancement (QE) practices across its campuses.

Investing in quality, CIIT envisages becoming a world premiere center of excellence for education, research and development. CIIT has its own quality assurance regimen that reflects in its strategic Vision 2020, follows the quality assurance program of the Higher Education Commission (HEC) for improved quality and research, and is also in strict accordance with the international quality assurance standards.

With Quality as its integer and excellence in higher education as a strategic imperative, CIIT manifested its progressive mission by establishing the Quality Enhancement Cell (QEC) in 2006, and since then, has taken bold initiatives to attain, manage and enhance quality at the institutional level in all its cadres as university management, academic and administration. The QEC, as an essential component of CIIT management, is dedicated to an effective implementation of quality standards, processes of quality assurance and management system, and continually reviewing the progress for enhancement of quality as per Quality Policy 2013. For this to happen, QEC has undertaken the development of a quality mindset in the university at student, faculty, and management levels, so that a practicing quality culture becomes one of the best practices at CIIT.

For making CIIT a quality-centric institution, the following activities are carried out at the institution:

A. Quality Assurance and Assessment of Academic Programs

CIIT is working towards the implementation of QA processes in the letter and spirit, and is also working on the development of quality enhancement framework. These processes include the assessment exercise of all academic programs offered by each department of each campus as per assessment cycle (currently 111 SARs have been completed out of 143 programs offered by seven campuses). The purpose of assessment exercise is to ensure the quality of programs being offered at CIIT and to ascertain that those programs and activities are aligned with the strategic plan of the department and university. This activity also provides an opportunity to the faculty to assess their own progress and get updated information on the development of the programs and department as well as the implementation of QA criteria.

The assessment process is based on the review of Self-Assessment Reports (SARs) of the programs, prepared by the Program Teams (PTs) of the department, assessment visit by the Assessment Team (AT), comprising domain expert as external member from another campus, Head of Department of the department to be assessed and QEC team, concluding in the Assessment Report based on assessment findings and rubric, the implementation plan summary inclusive of assessment findings and corrective actions, which are taken by the department against each of the findings, and the executive summary of the entire process is shared with the competent authorities.

During the reporting period, the assessment of 18 programs of the Management Sciences and Computer Science departments of CIIT Wah and Attock has been completed.

Moreover, in June 2013 the QEC organized training for the faculty members of department of Electrical Engineering, CIIT Islamabad about the QA process, developing the SARs, preparation of Assessment Teams and their visits for regular review and follow up in Implementation Plans.

As per Quality Policy, the Assessment Surveys have been revised that are used as integral part of SARs and are used for covering the assessment areas of courses, teacher, student, graduating student, alumni, employer.

B. W Category by HEC

As per HEC requirement, QEC is required to submit performance reports along with supporting documents as evidences on quarterly basis. These reports pertain to all QA activities and tasks, and other assignments performed during the reporting quarter. And based on this performance reports submitted to HEC by all

QECs established in the universities, HEC evaluates their performance to determine their ranking. In this context, QEC of CIIT has been rated in the top category of 'W' ranking at the highest level in 2013.

C. Quality Awareness Training

During the reporting period, presentations on quality assurance and Self Assessment process were given in CIIT Advisors Forum meetings and in the training session organized for new entrants in faculty.

D. Internal Institutional Performance Evaluation

Taking an integrated approach to quality assurance, accreditation and assessment of academic programs and quality enhancement for continuous improvement at institutional level, CIIT started the Internal Institutional Performance Evaluation (IIPE) processes at all its campuses and Principal Seat in 2011. In its continuation, from August-December, 2012, QEC has revised the strategy for conducting IIPE and also reformulated assessment forms.

E. External Institution Performance Evaluation of CIIT by HEC

In January 2013, CIIT provided the detailed University Portfolio Report (UPR) with 8 Institutional Performance Evaluation Standards (IPE) pertaining to the CIIT Islamabad and the Principal Seat to HEC for IPE, and answers to questions related to each Standard in the IPE Process Manual, along with documents related to the UPR were also provided.

F. ISO Certification

CIIT was granted ISO Certification in 2011 and in its continuation the 1st Annual Surveillance Audit was carried out in September 2012. For this purpose, CIIT ensures that the Standard Operating Procedures (SOPs); Organizational Charts; Teaching and Operational Quality Objectives are being strictly followed. It also conducts training of management representatives from the campuses and the Principal Seat as well in the Internal Audits and External Audit during August-September each year. The preparation for this audit process across the campuses is in process.

G. Membership of Associations/ Networks

To promote the culture of quality and research that is at par with the international quality assurance standards, CIIT has acquired membership of following international Associations/ Networks dealing with the quality of education:

- International Network for Quality Assurance Agency in Higher Education (acquired in November 2011 and continued)
- Asia-Pacific Quality Network (acquired in November 2011 and continued)
- CHEA International Quality Group (acquired in October 2012 and continued)

H. First CIIT International Workshop on QS University Rankings

Another contribution of CIIT is its taking the lead in organizing the 1st CIIT International Workshop on Quacquarelli Symonds (QS) University Rankings on May 2, 2013. QS University Rankings is one of the leading international ranking organizations that have been publishing annually rankings of the World's top universities since 2004, and experts from the field of QS Rankings were invited as foreign experts. The experts deliberated on a diverse range of topics related to rankings and internationalization of higher education that can lead the Pakistani universities to become World Class Higher Education Institutions.

The workshop experts were Ms. Mandy Mok, the Managing Director, QS Asia; Mr. Michael Fung, the Director of Planning and Institutional Research in the office of the President at the Hong Kong University of Science and Technology, Hong Kong; Mr. Hung Truong, Senior Manager of International Affairs at the Hong Kong Polytechnic University; and Mr. Samuel Wong, Senior Researcher, QS Intelligence Unit at QS Asia.

The workshop was attended by a large audience that included the top management and academics officials from the 8 campuses of CIIT and its Principal Seat. Besides, the Vice Chancellors / Rectors / Presidents and senior management of different universities of Pakistan also participated.

Accreditation of Academic Programs from Relevant Councils

The accreditation of programs is being done at the departmental level. The departments get themselves accredited from their relevant accreditation bodies, for example, the engineering programs are accredited by Pakistan Engineering Council (PEC).

Faculty Development

The academic vitality of any educational institution is linked with the professional development of its faculty members. In the above spirit, CIIT has carried out various faculty development programs, such as Human Resource Development program, In-service trainings and Pre-service trainings. The activities carried out under these programs during the reporting period are given briefly as below:

Human Resource Development

The CIIT undertook a very ambitious human resource development program in the Year 2005 by placing 22 of its eligible faculty for their PhDs in China. Until then, there was no HRD program offered by the Higher Education Commission. The Institute funded the 22 scholars from its meager resources and all 22 returned successfully with their prized PhDs. They are now serving at different campuses of CIIT. This was followed by yet another passionate phase of human resource development program with the development funding provided by the Government of Pakistan through the Higher Education Commission and the Ministry of Science and Technology. Another 269 scholars were placed abroad for their MS and PhD degree studies in some of the best universities in Asia, Australia, Europe, mainly in UK and US. These HRD programs have continued during the reporting period as well. Besides, the Institute simultaneously follows a generous policy to accord study leave and provides necessary facilitation to

those who are able to win funding for their higher studies from alternate sources. These include scholarship awards offered by the HEC, Fulbright, British Council, merit awards offered by the universities abroad, besides some self-sponsorships. As such, CIIT has placed its scholars in elite universities in the world like Cambridge, Oxford, Imperial College, King's College, John Hopkins and University of Illinois at Urbana- Champaign in USA, and some of the best universities in Germany, Sweden, Netherlands, Finland, Australia, etc.

Scholars Studying Abroad

During the reporting time, 106 scholars were sent abroad to pursue MS/PhD degrees in various disciplines. Out of these 106 scholars, 22 went for MS, 83 for PhD and one for Postdoctoral trainings, etc. The summary of all scholars who went abroad for higher studies till June 30, 2013 is given below:

CIIT Scholars as on June 30, 2013 Source-Wise

Campus	CIIT		HEC		Self-Finance		Others		Total		
	Faculty	Non-Faculty	Faculty	Non-Faculty	Faculty	Non-Faculty	Faculty	Non-Faculty	Faculty	Non-Faculty	Grand Total
Abbottabad	14	1	25	1	14	2	43	3	96	7	103
Islamabad	57	2	21	2	25	2	65	2	168	8	176
Lahore	18	0	17	1	13	7	54	6	102	14	116
Wah	7	0	7	0	5	1	20	1	39	2	41
Attock	2	0	3	0	2	2	6	0	13	2	15
Sahiwal	4	0	0	0	1	1	1	0	6	1	7
Vehari	0	0	0		1	0	0	0	1	0	1
Virtual Campus	0	1	0	0	0	0	0	0	0	1	1
Total	102	4	73	4	61	15	189	12	425	35	460

The program wise break up is as below:

CIIT Scholars as on June 30, 2013 Program -Wise

Program	CIIT		Others		Total		
	Faculty	Non-Faculty	Faculty	Non-Faculty	Faculty	Non-Faculty	G.Total
MS	33	4	79	19	112	23	135
PhD	69	0	232	7	301	7	308
Others*	0	0	12	5	12	5	17
Total	102	4	323	31	425	35	460

*Post Doctoral Fellowship etc.

While the gender wise data shows the breakup of 87% males and 13% females who were on study leave during the reporting period.

Gender - Wise

Gender	CIIT Funded	Other Sources	Total	%age
Male	86	312	398	87
Female	20	42	62	13
Total	106	354	460	

The Scholars Rejoined: During the reporting period, 48 scholars re-joined CIIT after successfully completing their advanced degree. Out of these 48, 22 were MS and 26 were PhDs. The summary of all the scholars who have returned and rejoined CIIT till June 30, 2013 is given below:

Campus	CIIT (Funding)		Others		Total		
	Faculty	Non-Faculty	Faculty	Non-Faculty	Faculty	Non-Faculty	G.Total
Abbottabad	32	2	36	2	68	4	72
Islamabad	80	6	54	2	134	8	142
Lahore	39	1	34	1	73	2	75
Wah	21	1	13	3	34	4	38
Attock	4	0	3	0	7	0	7
Sahiwal	5	0	4	0	9	0	9
Vehari	0	1	1	0	1	1	2
Virtual Campus	0	0	0	1	0	1	1
Principal Seat	0	4	0	0	0	4	4
Total	181	15	145	9	326	24	350

Faculty: As a result of the opportunities provided by the CIIT for faculty development, the number of young PhD faculty is increasing. Out of 2,269 faculty members, 602 are PhD holders, 1,042 have MS/MPhil degree while remaining 625 are sixteen years degree holders. During the reporting period, the designation-wise break-up of the faculty was as follows:

Faculty Members as on June 30, 2013

Campus	Professors	Academic Advisors	Associate Professors	Assistant Professors	Lecturers	RA/TAs	Total
Abbottabad	14	10	17	180	272	37	530
Islamabad	26	25	27	275	319	163	835
Lahore	11	6	16	191	185	48	457
Wah	-	4	7	63	75	10	159
Attock	-	1	1	37	60	5	104
Sahiwal	-	-	2	53	48	8	111
Vehari	-	1	2	14	31	7	55
Virtual Campus	-	-	-	-	16	2	18
Total	51	47	72	813	1006	280	2,269

While during the reporting period the male-female percentage in the faculty members was 77% and 23% respectively.

In-service Trainings: During the reporting period, many in-service trainings, workshops and seminars were organized by Faculty Development Academy which were largely attended by the employees of CIIT. CIIT has laid great emphasis on developing competent team of faculty members who could assume responsibility of teacher 'professional development' as a passion and a sacred trust. Keeping this in view, Faculty Development Program (FDP) was established in 2004 which was later transformed into Faculty Development Academy (FDA) in 2010 on the pattern of Civil Services Academy. Its major objective is to become a potent resource for promoting the teaching profession, and help teachers become catalyst of change in our society.

These in-service trainings/workshops help the faculty to develop the effective teaching strategies, and use of emerging educational technologies to improve the teaching learning process. The brief details of trainings/workshops held during the reporting time are given below:

- A 5-day workshop from September 24-28, 2012 on Analysis of Research Data using SPSS was organized at Islamabad. Mr. Abdul Sattar, Training Coordinator and Instructor at Federal Bureau of Statistics was the resource person.

- A 5-day workshop on Understanding Statistics and Simple Statistical Analysis from November 12-16, 2013 was organized in collaboration with US-AID Teacher Education Project. Fifteen public university teachers from different parts of the country attended the course.

- A 5-day workshop from November 19-23, 2012 was organized in Islamabad on Advanced Excel-2010. The purpose of the workshop was to give an orientation to the participants about MS Excel 2010.

- A 5-day workshop on SPSS Programming was organized in collaboration with US-AID Teacher Education Project from December 3-7, 2012. Twenty one nominated faculty members from different public sector universities of Pakistan attended the workshop.

- A 4-day workshop from December 17-20, 2012 was organized on N-VIVO-10; Qualitative Data Analysis (QDA) computer software designed for qualitative researchers. Fifteen participants from different educational institutions attended this workshop.

- A 3 weeks workshop was organized from May 13-30 2013 on Developing Writing Skills. The workshop was attended by the twenty three faculty members from various departments of CIIT.

- A 5-day workshop from July 2-6, 2103 on Managerial Skills was organized at CIIT Islamabad.

- A parallel 5-day training course was also conducted for staff members from July 2

-6, 2012. The major objective of the course was to help them to identify and build their personal positive assets while refining their self-image and strengthening their self-confidence.

Pre-Service Trainings: Faculty Development Academy also organizes pre-service trainings and workshops for the new entrants. These trainings ensures capacity-building in all the five domains i.e. teaching, assessment, curriculum support, organizational leadership, and mentoring. The following is brief details of pre-service training programs organized during the reporting period:

▶ 6-week Pre-Service Training Course was organized from July 9 to August 17, 2012 for 55 newly recruited teachers hailing from seven campuses of CIIT. The course covered CIIT specific information, pedagogical skills, capacity building modules, micro-teaching and some of general knowledge areas.

▶ The 5-week Pre-Service Training Course was organized from December 31, 2012 to January 31, 2013. 70 newly inducted young faculty members from CIIT campuses constituted the audience. The course was a unique blend of curricular and co-curricular activities encompassing traditional classroom lectures, discussions, presentations, sports and field visits etc. Best of the scholars, teachers and civil servants were invited to deepen the participants' general knowledge, CIIT specific information and also to build their capacity and sharpen pedagogical skills.

In addition, Faculty Development Academy

also arranged a 2-week workshop in collaboration with Pakistan Council Technology and Ministry of Science & Technology on Capacity Building from July 2-13, 2012 at CIIT Abbottabad particularly for 46 college teachers from Baluchistan. Since all participants were subject teacher of basic four sciences (Physics, Chemistry, Mathematics and Biosciences), they were provided in-depth and parallel orientation in these four areas. The course was aimed at to refresh their knowledge, enlarge their teaching skill repertoire and provide them an opportunity to meet their fellow teachers. Such courses can help eliminate biases and bridge the gap between people of Baluchistan and rest of the country.

Accomplishments of the Foreign Faculty

International Office at CIIT administers various programs for hiring and placement of Foreign Faculty. Presently, 12 qualified and experienced Foreign Professors are part of the CIIT faculty in various fields of science and technology. Their services have been acquired under the Foreign Faculty Hiring Program (FFHP) of the Higher Education Commission (HEC).

During their tenure at CIIT, the Foreign Faculty have shown keen interest in teaching and research, supervising graduate students and helping upgrade curriculum to international standards. They have also been involved in creating collaborative linkages with institutions abroad. Foreign faculty has undoubtedly contributed towards the internationalization of CIIT and overall improvement in its ranking.

Some of the notable achievements of the foreign faculty during the reporting time are shown below in a tabular form:

S. No.	Name/Department/ Campus of Foreign Professor	Research Publication	Graduate Students Supervision	Salient Achievements
1	**Dr. M. Aslam Noor,** Department of Mathematics, CIIT, Islamabad *(pride of Performance)*	40 papers in ISI / IF journals	PhD students 04 MS students 07	▶ World leading Muslim scientist having 760 Publications to his credit ▶ Evaluator of PhD /MS thesis at national and international level ▶ Member of Editorial Boards of leading journals ▶ Invited by the Ministry of Education, China as a Distinguished Professor for holding Seminars, Conferences at Nanjing University, Shanghai University, Tianjin Polytechnic University and Nankai University during October 2012 ▶ Guest Editor for Abstract & Applied Analysis for Special Issue: Non Linear Problems: Analytical & Computational Approach with Applications Part I & II ▶ Guest Editor for Journal of Applied Mathematics for Special Issue: Numerical & Analytical Methods for Variational Inequalities and Related Problems with Applications
2	**Dr. Khalida Inayat Noor,** Department of Mathematics, CIIT, Islamabad *(pride of Performance)*	35 papers in ISI/IF journals	PhD students 05 MS students 07	▶ World leading Muslim female scientist having 400 Research Publications to her credit ▶ Evaluator of PhD /MS thesis at national and international level

S. No.	Name/Department/ Campus of Foreign Professor	Research Publication	Graduate Students Supervision	Salient Achievements
				▸ Member of Editorial Boards of leading journals ▸ Invited by the Ministry of Education, China as a Distinguished Professor for holding Seminars, Conferences at Nanjing University, Shanghai University, Tianjin Polytechnic University and Nankai University during October, 2012 ▸ Guest Editor for Abstract & Applied Analysis for Special Issue: Non Linear Problems: Analytical & Computational Approach with Applications Part I & II ▸ Principal Investigator of HEC funded Project
3	Dr. Nasrullah Khan Electrical Engineering, Islamabad Campus	03 Journal papers accepted 04 Conference papers accepted	PhD students 4 MS students 7	▸ Development of Renewable Energy Lab ▸ Development of Power Engineering Lab ▸ 6 Books (2006-2013) ▸ Articles in international media against Indian Trans-boundary Water and Air transgressions
4	Dr. Mais Suleymanov Physics, Islamabad Campus	07 papers published, 04 in IF Journals and 03 as proceedings of International Conferences.	PhD students 3	Member of : ▸ CIIT Academic Council ▸ Board of Studies of Physics Department ▸ ALICE Experiment at CERN (Geneva, Switzerland) ▸ PANDA Experiment at GSI (Darmstadt Germany) ▸ NICA/MPD Experiment at JINR (Dubna Russia)
5	Dr. Abdel Hamid Nasr Management Sciences Islamabad Campus	05 paper of International Repute	PhD students 4 MS students 6	In the Past 7 years translated more than 600 pages of valuable research papers from Egyptian leading journals of Business, Computers, and Engineering (in Arabic) Member of: ▸ CIIT Academic Council ▸ Board of Studies ▸ Curriculum Review Committee ▸ Member of Editorial Board
6	Dr. Ehtiram Shahaliyev Physics, Islamabad Campus	11 papers in IF journals		Member of STAR experiment at the Relativistic Heavy Ion Collider, Brookhaven National Laboratory (USA)
7	Dr. Amir Haider Malik Environmental Sciences, Abbottabad Campus		PhD students 2 MS students 5 BS student 1	Research Productivity Award for 2011 ▸ Member of the Environmental Impact Assessment (EIA) Curriculum Review Committee (IUCN), Govt. of Pakistan / Netherlands Govt.) 2011-2013 ▸ Member of the Organizing Committee of International Conference on Environmentally Sustainable Development (ESDev 2013) to be held in Aug 2013

8	Dr. Iftikhar Ahmed Raja Environmental Sciences Abbottabad Campus	Journal (IF) Published = 1 Accepted = 1 Submitted = 4 In Process = 4 Books ESDev-V Conference Proceeding = 1 (In process)	PhD students 5 MS students 3	Chairman of organizing committee of International Conference ESDev-2013 Member of various Statutory Bodies including: ▸ Board of Studies ▸ Academic Council
9	Dr. Mohammad Aslam Khan Physics Islamabad Campus	2 papers in IF journals	PhD students 3 MS students 1	▸ Member, National Curriculum Review Committee. (HEC) ▸ Member, Department Advisory Committee (CIIT Islamabad and Lahore) ▸ Principal Investigator of two HEC funded research projects ▸ Co-Principal Investigator of two HEC funded research projects
10	Dr. Khusniddin Olimov HEC Foreign Professor, Department of Physics, Islamabad Campus	06 papers in IF journals	PhD students 3 MS students 1	▸ Recipient of COMSATS Research Productivity Awards for 2011 and 2012 ▸ Established Research Linkage with the Sector of Nuclear Track Emulsions of Joint Institute for Nuclear Research (JINR, Dubna, Russia) ▸ Active Member of Organizing Committee of Vice Chancellors Forums 2012 and 2013 for Vice Chancellors of Universities from OIC member countries
11	Nargis Khalid Mohammad Department of Architecture and	Fine arts juried according to acceptance in juried shows		▸ Initiator of MS in Art Education

	Design CIIT Islamabad	of leading Galleries 2012-Women artists –a tribute to Zubeida Agha at PNCA Islamabad -2013 spent in working on a Mural 88 x72 inches for a client		
12	Dr. Khalid Riaz Department of Management Sciences, CIIT, Islamabad	05 IF Journal 02 Conference Paper	PhD students 2 MS students 3	▸ Prepared scheme of Studies for MBA Program in Development Management. ▸ Team Leader for USAID funded project at CIIT for Curriculum Development for Not for Profit Organization. Eleven modules were developed in all key areas of management sciences

In addition, the following Foreign Visiting Faculty was engaged at CIIT during the reporting period under Short Term Foreign Faculty Hiring Program (SFHP) and Visiting Scholar Program (VSP) for various short-term assignments such as conducting workshops, seminars, and other thematic and informal teaching; curriculum development; development of joint research grant projects for local/international funding and to establish collaboration for research publications, etc.

S. No.	Name of Foreign Visitor	Department Visited	Purpose /outcome of Visit
1	Dr. M Samiullah Khan, Assistant Professor, Department of Electrical and Computer Engineering, North Dakota State University, USA	Computer Sciences, Abbottabad Campus December 13, 2012 to January 10, 2013	The main aim of the visit was to conduct and organize 2-day workshop on Virtualization & Cloud Computing. Subsequently Dr. Samiullah helped establish a collaborative agreement with NDSU under which CIIT Faculty are attending advanced courses at NDSU.

2	Dr. Ljubisa Kocinac, Faculty of Science and Mathematics, University of Nic, Serbia.	Computer Sciences, Abbottabad Campus December 13, 2012 to January 10, 2013	To establish active collaboration with researchers at CIIT. As a result 3 articles of international repute have been published.
3	Dr. Cenap Ozel, Department of Mathematics, AbantIzzetBaysal University, Turkey	Computer Sciences, Abbottabad Campus December 13, 2012 to January 10, 2013	Delivered 2 seminars and also conducted collaborative research. The visit of Dr. Cenap further nourished the MoU signed between CIIT and AIBU on June 20, 2012.
4	Dr. Sandra Jean Hancock, Assistant Professor, Department of Curriculum and Instruction, Tennessee Technical University, USA	Humanities, Islamabad Campus July 05 to August 03, 2012	To introduce quality and standards of English Language Teaching. Dr. Hancock delivered various English language teaching strategies in the four language domains (Listening, Speaking, Reading and Writing). In this connection she conducted a workshop on "Communication Skills" from June 25 to July 14, 2012. Dr. Hancock also conducted a 1-day International Seminar on Interactive Strategies for ELT Classrooms on July 19, 2012.
5	Dr. Shahid A Shaheen, Associate Professor, Department of Physics, Florida State University, USA	Physics, Islamabad Campus May 17 to August 18, 2012	Conducted research with CIIT Faculty. Two abstracts were published for oral presentation in two different International conferences. Remained involved in Curriculum Development, Research guidance to students and young faculty members. He has also conducted workshops and lectures on research and teaching.
6	Dr. Khawaja Asjad Saeed, Associate Professor, Wichita State University, Kansas, USA	Management Sciences, Lahore Campus February 18 to May 31, 2013	He waas involved in finalizing MS student's thesis / synopsis as well as worked with students on different research projects.
7	Dr. Shahid Nadeem Chohan, Australia	Bio-Sciences, Islamabad Campus September 03, 2012 to January 18, 2013	Dr. Chohan was involved in thesis supervision of Ph.D student. In addition, he organized a National Symposium on Computational Biology.

Dinner arranged for Foreign Faculty
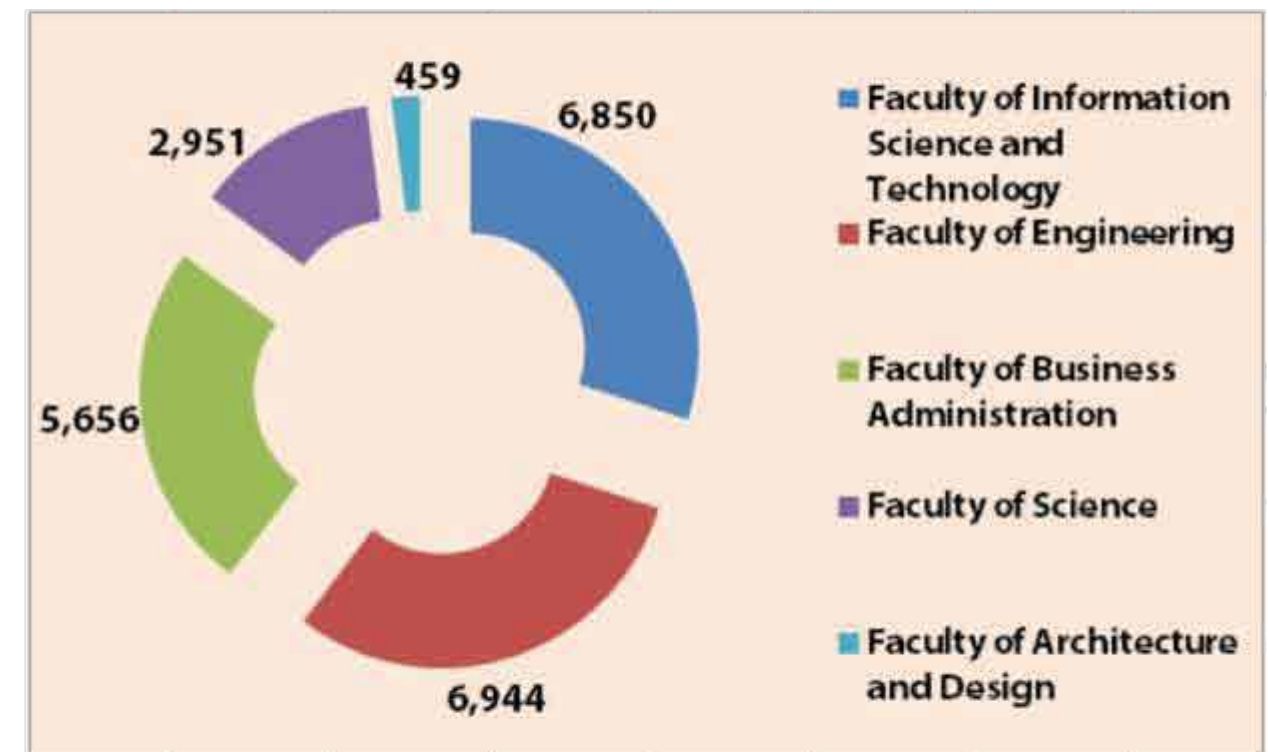
Access

Student Enrollment

CIIT started its journey in 2000 with just 277 students. Since then, its enrollment is on up rise which is a clear indication of quality education at its campuses. During the reporting period, the students enrolled at CIIT are 22,860. The Islamabad Campus lead with 5,909 students followed by Abbottabad campus with 5,350 students. The intake during the reporting period at CIIT campuses is tabulated below:

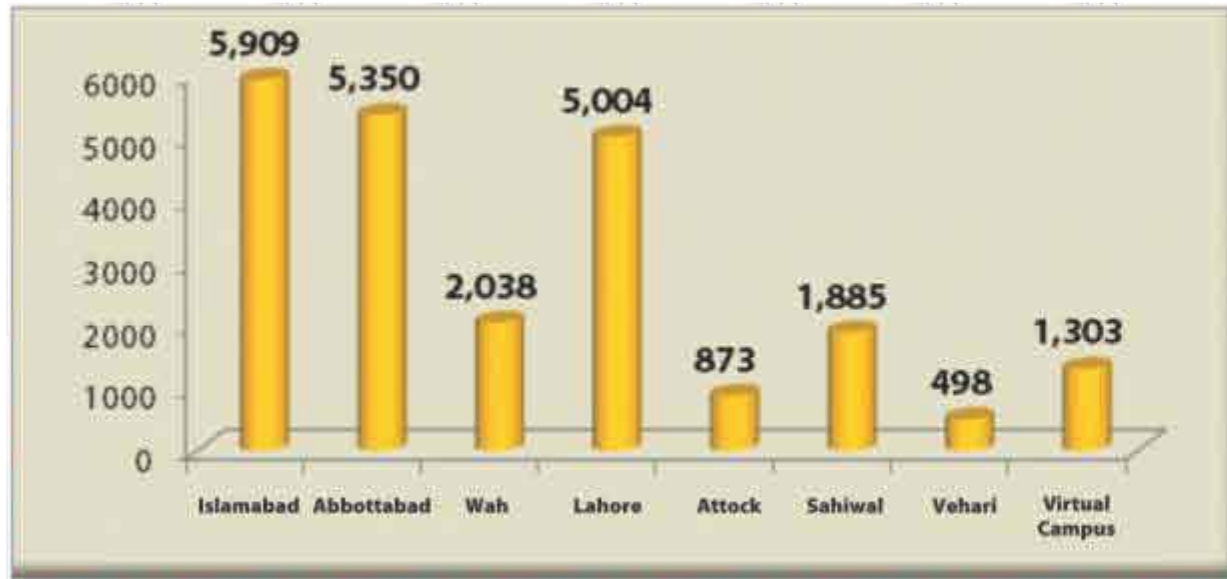| Campuses	Students Intake		
	Fall 2012	Spring 2013	Total
Islamabad	1,434	1,102	2,536
Abbottabad	1,277	672	1,949
Wah	562	319	881
Lahore	1,110	757	1,867
Attock	379	186	565
Sahiwal	494	386	880
Vehari	178	119	297
Virtual Campus	312	988	1,300
Total	5,746	4,529	10,275

The degree-wise student enrollment is as follows:

CIIT has five faculties, and the detail of student enrollment in these faculties as on June 30, 2013 is as follows:

- **Faculty of Information Science and Technology**
- **Faculty of Engineering**
- **Faculty of Business Administration**
- **Faculty of Science**
- **Faculty of Architecture and Design**

Campus-Wise Student Enrollment

CIIT organizes Orientation Session for newly inducted students at all campuses. The purpose is to provide basic information to the students about their respective departments, their course work, other facilities, and rules and regulations. During the reporting period, all campuses arranged the orientation sessions for Fall 2012 and Spring 2013 students.

Equity

As per charter of CIIT, it is an open merit Institute which provides equal opportunities to all notwithstanding their gender, religion, race, creed, color or domicile if they academically qualify for admission to the courses of study offered. No person is denied the privilege on these grounds. Hence all the policies of CIIT, 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 CIIT as stated above. During the reporting period, the males and females studying at CIIT were 79% and 21% respectively. The percentage of male, female students at Islamabad campus is 72% and 28%, at Abbottabad 84% and 16%, and at Wah campus is 81% and 19%.

Representation of CIIT Alumni in Different Sectors

CIIT Alumni are working in different sectors including Banking, Education, Telecom, IT and Development sector; 35% in Telecom, 30% in Information Technology, 20% in Banking, 10% in Education and 5% In Development Sector.

Faculty-student Ratio

Induction of highly qualified faculty at CIIT is a continuous process. It is unyielding commitment of CIIT to provide it students with the best. During the reporting period, the faculty to student ratio at CIIT was 1:10.

Students at CIIT Sahiwal

Students at CIIT Attock

Universities Building Economies

University Industry Linkages

It is imperative to establish university-industry linkages for effective and efficient transfer of knowledge and technology from university to the industry. The graduates and the research output of the universities have to be rapt by the industry. These linkages provide students with the opportunities to have real world experience.

University-Industry Consortia: Realizing the importance of this inevitable association, CIIT established University-Industry Consortia in September 2012 to form corporate advisory bodies (Uni-Industry Consortia) in all major academic disciplines to advice on research directions and commercial interests of CIIT. These Consortia will serve as advisory bodies comprising of relevant corporate sector and CIIT representatives within all major academic disciplines. It is believed that organic growth of ideas and action plans stemming from these Consortia will help achieve the above stated goal. So far, Faculty of Science, Faculty

of Information Sciences and Technology, Faculty of Engineering and Faculty of Business Administration have formulated their consortia and have started functioning.

Technology Incubation Center

CIIT Lahore formally launched Technology Incubation Center (TIC) in April 2013 by signing an agreement with Horizon Technologies software house to manifest a novel kind of academia – industry linkage that promise development of CIIT's human resource (faculty and students of Computer Science) on the industrial standards during final year projects (FYP). As per the contract, the Horizon Technology is obliged to set up one of its software development cell within CIIT Lahore which shall be manned by the students of Computer Science Department selected on merit for undertaking the real software development projects under supervision of a manager of Horizon Technology and co – supervision of CIIT's faculty member(s).

CIIT Lahore has also signed following MoUs with respect to University Industry Linkages:

Industry	Since
Faisalabad Chamber of Commerce and Industry	2013
Sialkot Chamber of Commerce and Industry	2013
Lahore Chamber of Commerce and Industry	2012

As a result, a selected batch of students of CIIT Lahore shall pass out with one year industrial experience. The selected students shall also be paid stipend during their FYPs. This model shall abreast CIIT's faculty with industrial requirements so that they train the next batches of students ready for software industry challenges. This arrangement shall also pave the road to technology incubation in collaboration with industry whose IPRs shall directly be with industry. Office of Research, Innovation, and Commercialization (ORIC), CIIT Lahore is striving for attaining two more such agreements with other software

houses in near future.

In addition to the above mentioned connections with software industry, TIC has been encouraging the Engineering, Interdisciplinary Research Center in Biomedical Materials (IRCBM) and Computer Science department of CIIT Lahore to optimize their technical research that leads to innovation in form of tangible marketable product promising knowledge economy and benefits. In this context, following initiatives are being supported by ORIC, CIIT Lahore during the reporting period:

Sr.	Initiative	Purpose of Project/Product	Status	Knowledge Economy	Starting Date
1	Pop the Kitty Smart Phone +Game	Entertainment software for smart phones	Level 2 being engineered	Not Applicable	September 3, 2012
2	E – Order Home Delivery for Restaurants	Providing complete menu of a restaurant on consumer's smart phone to place home delivery orders and check bills online	Prototype ready for market testing	Not Applicable	September 10, 2012
3	CIIT Dental Club	Supplementing clinical capacity of IRCBM and employees oral health care	Fully operational and has recovered 50% of the investment	50% subsidized rates from market for CIIT employees	September 10, 2012

Internship and Placement Office

CIIT has always strived to take initiatives towards the academic and professional development of students. Career Development Center (CDC) established at CIIT Islamabad is another strategic endeavor which aspires to cater to the personal, academic and professional needs of the students of CIIT. Initially, CDC was working as a separate entity, but now it is working as a sub-component of department of Student Affairs.

The purpose of CDC is to expose the students to options that best fit their individual career needs. Wherever the student is in academic career, freshmen through PhD, CDC helps them navigate their career during the years at CIIT, from choosing a major, to exploring different career options, to finding internships, to looking for part-time and full-time employment.

The prime functions of CDC include Individual career counseling for career assessment, Information sessions regarding job search skills, interviewing techniques, resume preparation, CV's database management system, access to career-related technology, assistance with Internships, co-ops, and job opportunities, career-related workshops and outreach, on campus Interviewing opportunities, career fairs, and industry liaison.

Some of the companies in contact with CDC are Askari Commercial Bank, Standard Chartered Bank, Bank Al-Falah, Faisal, Telenor, Ovex Technologies, Limton Group of Companies, Zigron, AF Fergusons, OXFAM GB, Engro Pakistan, Channel 7, PTCL, ZONG, State Bank of Pakistan, etc.

Through the job portal (launched by CDC in collaboration with Rozee.pk with the name of Campus Career Portal for students of all CIIT Campuses). It contains online CVs which are readily accessible by all the employers subscribed to the portal. These are digital CVs with industry approved format and are keyword searchable. Defined perimeter for search is also featured in this system.

Following workshops/seminars were organized by CDC Islamabad during the reporting period:

▶ British Council Counselors Symposium was organized at CIIT from October 16-17, 2012 in which various counselors from all over Pakistan participated.

▶ Microsoft Hackathon was held from November 9-10, 2012 in which students from different universities of Islamabad and Rawalpindi participated and developed applications for Windows8.

▶ World Bank's Water and Sanitation Hackathon were arranged from December 1-2, 2012, in which students from Department of Computer Science, CIIT Islamabad participated for the development of different softwares.

CDC has also conducted in-house interview for CIIT Islamabad students with following employers during the reporting period:

▶ SNL: For the students of Department of Management Sciences

▶ ZONG: For the students of Department of Computer Sciences

▶ Nayatel: For the students of Department of Computer Sciences & Electrical Engineering

Besides, CDC continues to provide in person career counseling sessions to give individualized attention to students.

In order to facilitate the students, 3D Graphical Imagery Therapy Laboratory at CIIT Islamabad also offered internships to CIIT students as an opportunity to gain experience as emerging professionals in various fields including research and development. Up till now 2 students have completed their internship in research area.

Placement office at CIIT Lahore also organized job interviews on October 13, 2012, April 10, 2013 and April 18, 2013 by M/s i2c Software House as part of their outreach program. During these interviews, 03 students were employed.

It established contacts with major multinational and national organizations /industries during the reporting period for exploring internships opportunities. As a result, 56 internship opportunities were availed by the students of this campus. Few of these are National University of Singapore, State Bank of Pakistan, TUSDEC (Technology Upgradation and Skill Development

Company), Total Parco Pakistan Limited, Care Foundation, Azgard-9, Global Recruitment Consultants Pvt. Ltd, Buksh group, Abacus consulting, Eastern Group of Companies, and Protege Global, etc.

Besides, two mini job fairs were also organized on January 15, 2013 and June 18, 2013 at CIIT Lahore. Major participants in these fairs were Mobilink, Systems Ltd, Techlogix, Panasian Group of Companies, Suave Solutions, i2c Pakistan, ZealSSA business Solutions, Mcyber, and MianTech (MT). The activities held during these fairs were Direct interaction, CV submission, and Preliminary interviews.

Other activities carried out in this regard by CIIT Lahore include:

▶ Presentations on best HR practices from the platform of Students Corporate forum by HR Manager of M/s LD Alliance on May 21, 2013.

▶ Through the Alumni Portal, placement office facilitated 05 alumni to attend an information session held on October 18, 2012 at Islamabad by Securities and Exchange Commission of Pakistan (SECP) in their Management Trainee Program leading to permanent jobs.

▶ Invited Coca-Cola Beverages Pakistan Ltd. to conduct a 35 minutes job test at the campus on November 19, 2012, in which 57 students and alumni participated and 17 got selected for final interviews.

▶ Participation in following seminars/ workshops:

| #	Seminar/Workshop	Date Held	Organized By	Objectives
1	How to improve Industry Academia linkage	April 24, 2013	Pakistan Institute of Entrepreneurship	▶ Strategies to improve Industry Academia linkage
2	Training cum Business Summit	February 28, 2013	Lahore Chamber of Commerce and Industry	▶ Industry Academia Linkages ▶ HR Practices ▶ Attended by more than 100 corporate executives and students
3	Training Session	June 10, 2013	Packages Ltd.	▶ Liaison with various organizations ▶ Referrals made for job placements

The placement office at CIIT Sahiwal is also actively working to provide students with internship opportunities. There are 75 students of Business Administration who have been placed for internship in Engro Foods, Treet Corporation, NESPAK, Pakistan Tobacco Company, Phillip Morris, PESPSI Cola, COCA Cola, Pearl Continental Hotel, Bank Alfalah, HBL, Meezan Bank, Bank of Punjab, Meezan Islamic Bank and several other organizations.

Student Counseling and Career Guidance

Medical centers and placement offices at all campuses are also providing the student counseling and career guidance. In this regard, CIIT Lahore organized the student counseling and career guidance seminars on November 29, 2012 and May 23, 2012 in which Mr. Rameez Omer, CEO Institute of Career and Personal Development (ICPD) and Mr. Usman Gilani, Manager HR (ICPD) delivered the lectures.

The CDC at CIIT Sahiwal also organized variety of seminars during the reporting period to enlighten the students with concepts that will eventually help them in making their career choice. Few of these seminars were "Developing Entrepreneurs", "HRM Policies and Practices at Corporate Level", "Start-Ups and Entrepreneurial Perspective", and "Lightening the Society with Economic Development". Besides, all the faculty members at CIIT are also available to provide counseling to the students who reach them with their problems.
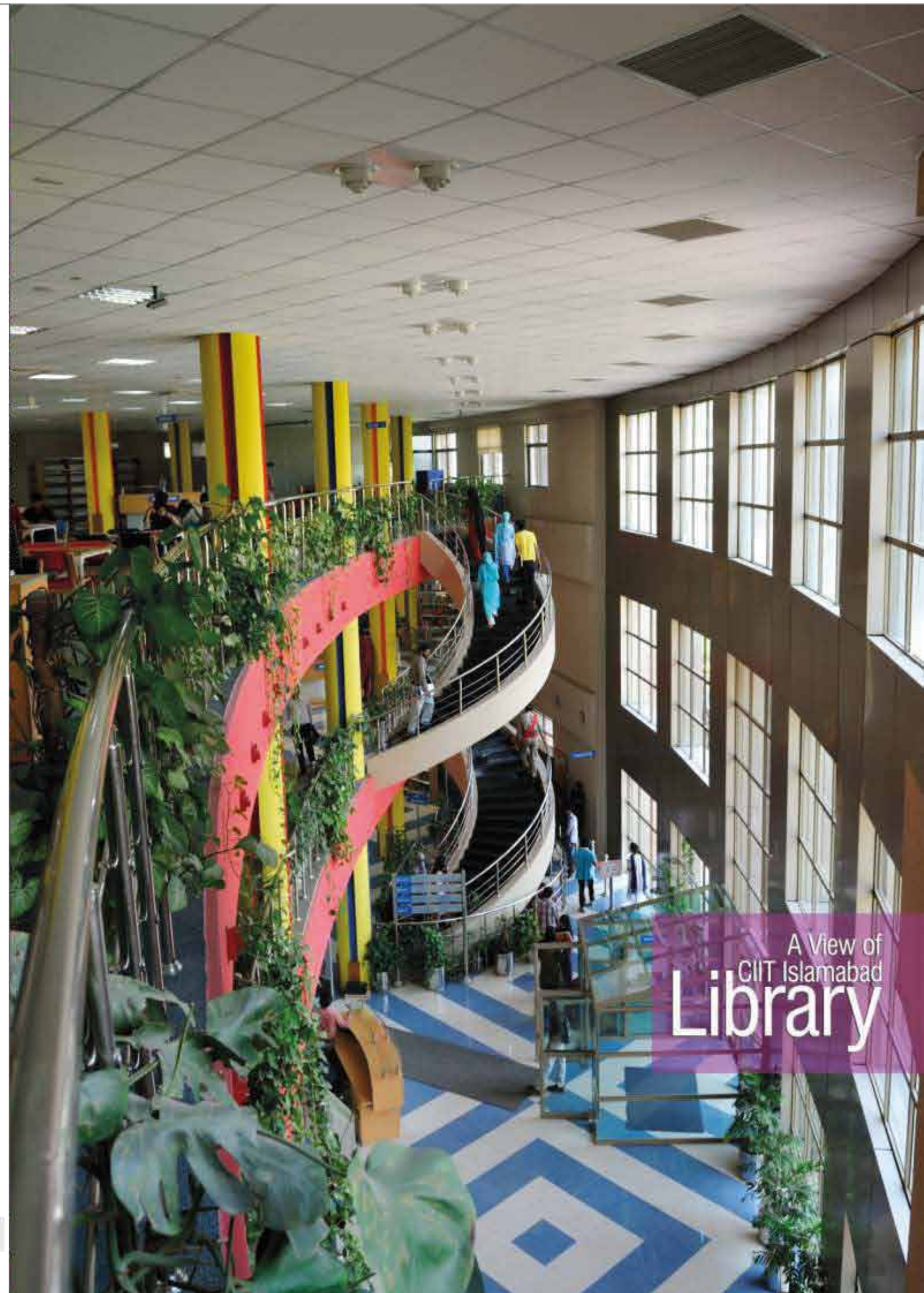
A View of
CIIT Islamabad
Library

Strengthening Physical Infrastructure
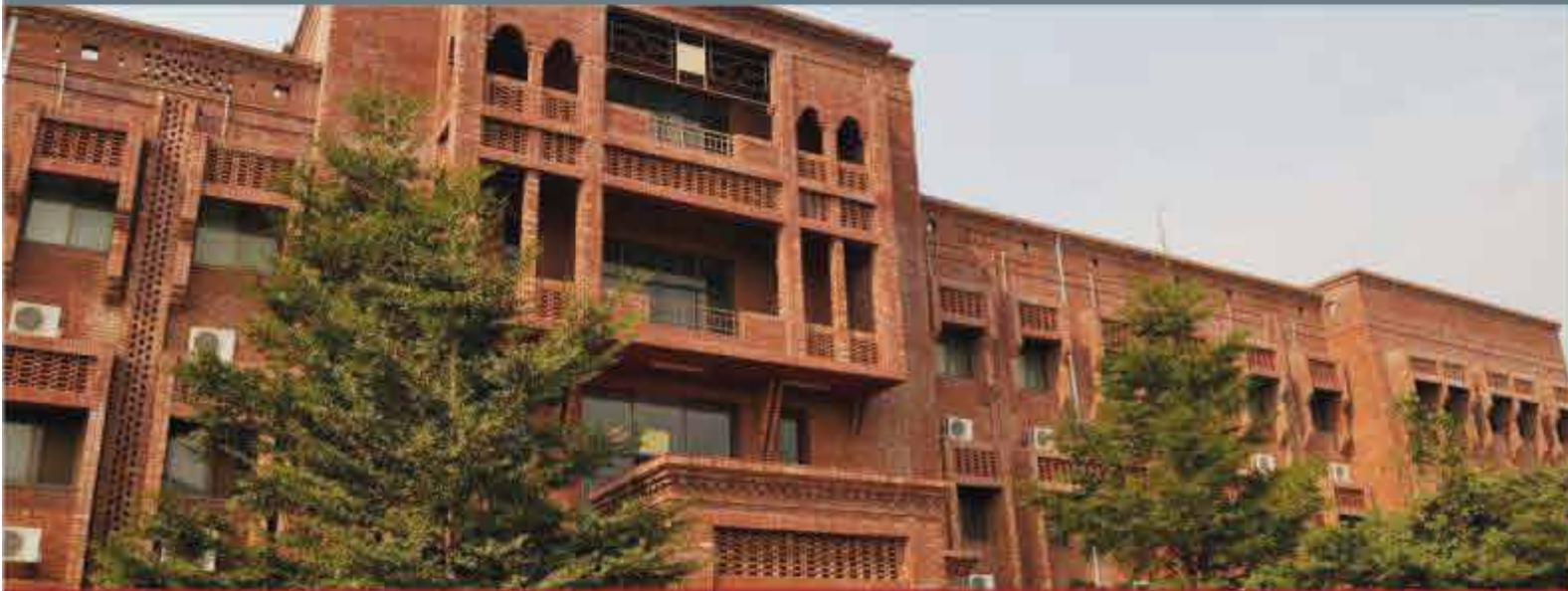
Development Projects

The Public Sector Development Program (PSDP) is the main instrument for providing budgetary resources for the development projects and programs of COMSATS Institute of Information Technology (CIIT). Until the end of financial year viz FY 2012-13, CIIT has successfully completed 28 projects (Annexure B) having capital cost of Rs. 2742.179 million.

For the FY 2012-13 the Government of Pakistan allocated Rs. 1076.587 million for twelve (12) development projects of CIIT. During the said period, Rs. 876.954 million have been released. Out of these twelve development projects, seven are HEC funded and remaining five by MoST.

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 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 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 January 2002, located on Defence Road, Off Raiwind Road, 30 minutes drive from the main city spread over an area of 185 acres.	Established in 2004 on 41.5 acres land for the purpose of providing quality education to the students of far flung and under developed area with state of the art lab facilities. The construction of the permanent campus spread over 37 acres, is in progress. Three academic departments i.e. Electrical Engineering, Computer Science and Mathematics are already operational at permanent campus.	Established in 2006 and surfaced as a vibrant educational institution in Sahiwal, spread over 36 acres.	Established in 2008 initially in a temporary campus. Currently, the permanent campus established on more than 415 Kanals land located at two different places in the Vehari city. Currently, Vehari campus is spread over 52 acres. Two blocks are completed while third is in progress.
Classrooms	59	56	31	56	28	21	09
Laboratories	48	65	26	38	09	14	03
Library Holdings	47,000 books, 36 journals, 7,050 CDs	25,500 books, 30 journals	18,000 books, 20 journals	20,426 books, 20 International journals/magazines, 23 National journals/magazines	6,469 books, 14 journals	9,800 books & 12 journals	4,500 books, 600 CDs
Hostel Facility for students	390 (270 male and 120 female)	846 (666 male and 180 female)	410 (350 male and 60 female)	961 (640 male and 321 female)	335 (275 male and 30 female)	320 (200 male & 120 female)	52 (87 male and 15 female)
Digital Library	33,000 Online Journals & 80,000 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	Wi-Fi Facility, Common room for Girls, Cafeteria, Mosque, Career Development Center, Sports and Extra-curricular Societies	Common room for Girls, Cafeteria, Mosque, Career Development Center, Sports and Extra-curricular Societies	Common room for Girls, Cafeteria, Mosque, Career Development Center, Sports and Extra-curricular Societies	Common room for Girls, Cafeteria, Mosque, Development Center, Sports and Extra-curricular Societies	Cafeteria and Mosque	Cafeteria

Virtual Campus Infrastructure

Infrastructure of Virtual Campus is given below:

Details	Information
Total Area of CIIT Virtual Campus Islamabad	Approx. 30,000 sq. ft.
Total covered area:	Approx. 20,000 Sq .ft.
Affiliated Active Study Centers:	127
No. of Lecture Recording Studios:	04

Details	Information
No. of Labs:	Total: 03 Editing Labs: 02 Publishing/Copying: 01
No. of computers in labs(Recording/Publishing/Editing):	30
No. of computers for faculty and staff : Desktops Laptops	40 12
Digital Courseware in Online/offline archive	12 Degree Programs
Approx. Size of Digital Intellectual Content (Video lectures, textual academic material)	Over 4000 Gigabyte

Besides Call Center Facility, Network Operation Center, Network Infrastructure is also available.

Research Equipment

One of the aspects of CIIT mission's is Research and Discovery. In order to excel in that area, it is inevitable to purchase new research equipment to facilitate the research process and to gain fruitful results. During the reporting period, various research equipments were purchased for a variety of purposes for different campuses. The summary of these equipments is as follows:

Sr.	Campus	No. of Research Equipments	Cost (Rs.)
1	Islamabad	20	9,760,015.88
2	Abbottabad	75	12,606,744.00
3	Lahore	107	60,989,437
4	Wah	59	11,938,585
	Total	261	95,294,781.88

Construction Projects

The manifestation of quality education being provided at CIIT is evident from the ever increasing enrollment of the Institute. This increase demands the simultaneous augmentation in the infrastructure. By the close of financial year 2012-13, there were 12 ongoing projects of CIIT of cost Rs. 1076.587. Out of these 12 projects, 05 were meant to strengthen the physical infrastructure of CIIT. The complete list of all on-going projects is given in Annexure C.

Construction of New Block at CIIT Islamabad

Strengthening Technological Infrastructure

Digital Library

A digital library is a collection of documents in organized electronic form, available on the Internet or on CD-ROM (compact-disk read-only memory) disks. Depending on the specific library, a user may be able to access magazine articles, books, papers, images, sound files, and videos.

CIIT Library is providing access to more than 33,000 high quality, peer-reviewed journals, databases, and articles through HEC's Digital Library program. In addition to this thousands of E-books are also offered on different subject areas like Science and Technology, Social Sciences and Humanities. Students and faculty can access these resources from inside and outside the campus through IP address and Virtual Private Network (VPN) respectively.

CIIT Lahore library developed a share portal to facilitate the library users. Variety of eBooks, audio/visual lectures of international universities are accessible on digital library. The books cover diversity of subjects for example Management, Computer, Electrical and Chemical Engineering, Humanities and Social Sciences during the year 2012 - 2013. CIIT faculty, staff, and currently enrolled research students can access Digital Library not only with in campus but from anywhere in the world through VPN (Virtual Private Network). These can be accessed throng the link: http://library.ciitlahore.edu.pk/.

CIIT Wah Campus Digital Library has about 30,000 research journals online access for the abstracts and full-texts. The Library Serial Section also has a good collection of periodicals, newspapers and CD-ROM databases, giving most recent information to library patrons.

E-Library

HEC National Digital Library (DL) is a program to provide researchers within public and private universities in Pakistan and non-profit research and development organizations with access to international scholarly literature based on electronic (online) delivery, providing access to high quality, peer-reviewed journals, databases, articles and e-Books across a wide range of disciplines. DL has launched ebrary and McGraw Hill Collections to provide around 80,000 online books that have been made available through the Digital Library Program. The e-books support program will allow researchers to access most of the important text and reference books electronically in a variety of subject areas.

Free Online Public Access Journals

Library Information Services is providing a unique facility by collecting and organizing the scattered, free, full text, quality controlled scientific, scholarly and peer-reviewed journals. There are more than 500 scholarly journals in the database covering all subjects. The database was developed after careful

evaluation of each journal following specific evaluation criteria and will be regularly updated. These journals help faculty, students, and scholars in their research work and by providing them latest and vital scholarly contents using this platform. It can be accessed through http://ww3.comsats.edu.pk/journals/.

Electronic Document Delivery Services

CIIT Library has a rich collection of digital documents as it is subscribing more than 33,000 journals through HEC digital library program. In addition to this, thousand of digital documents, scanned newspaper articles are part of library and are accessible through CIIT digital library. Users can request for the delivery of documents in digital format by requesting to the Electronic Resources Section of library.

PERN

Pakistan Education & Research Network (PERN) is the only research and education network of Pakistan which was launched in 2002. The purpose of this national research and education network is to provide communication infrastructure to the universities, institutions of higher learning and research organizations to meet their networking and internet requirements. CIIT is also having PERN services since January 2011.

CIIT Abbottabad was connected to PERN in July 2007. Initially, campus started with 4Mbps dedicated connectivity via PERN1 project of HEC. Now the campus has high speed dedicated connectivity via PERN2 over fiber optics. The campus has 46Mbps international bandwidth and 20Mbps intranet bandwidth to fulfill the day to day educational and research requirements of campus. CIIT Abbottabad is aiming to

upgrade the Internet bandwidth to 100Mbps in near future. CIIT Abbottabad has also privilege of being the active partner with the PERN. It is serving as point-of-presence (POP site) for Hazara and connecting regions having 1Gbps connectivity in PERN2 long haul network.

Besides, CIIT Wah Campus is availing 16Mbps bandwidth facility from HEC under PERN Project.

Data Center at CIIT Lahore

The main Purpose of Data Center is to award a performance-based task order to engineer, design, secure, operate and maintain the department's critical enterprise-wide IT network infrastructure. It manages hardware/software, bandwidth, systems management; architecture design; systems analysis; centralized patch management; enterprise tool development, integration, deployment, maintenance and upgrades; security; configuration, program and asset management; disaster recovery; and surge support for related but unanticipated elevations in service.

Video Conferencing Facilities

Video conferencing facility has made information sharing and communication easy and dynamic. This ease results in quick decision making which eventually leads to a better standing among other organizations/ institutes. At CIIT video conferencing is currently utilized for distance learning program (Virtual Campus), to conduct variety

of meeting through this facility for efficient and effective use of its time and resources.

In CIIT Islamabad, faculty and students are enjoying the provision of 03 Video Conferencing Studios with different options and seating capacities. Each video conferencing studio may be used for teaching or research purposes and offers the ability to hold conferences with many sites worldwide, including multi-venue conferences at several sites. All suites have full monitor and sound facilities. These suites are:

1. VTC Studio-I (Central Library)

2. VTC Studio-II (Seminar Hall in Academic Block one).

3. VTC Studio-III (Conference Room located in Faculty Block One).

All the studios are equipped with latest equipment.

CIIT Lahore has two video conference devices model Aver HVC-330. One is installed and operational in IRCBM Conference Room and second is in the process of installation in G.M. Shah (Admin) Block meeting room and will be installed and fully operational in July, 2013.

CIIT Wah also has video conferencing facility with a seating capacity of 200 audiences in

the campus auditorium.

Video conferencing facility at Virtual Campus is available through following destinations:

1. VTC Studio-I

2. VTC Studio-II

3. Faculty Cabins

All other campuses are also equipped with video conferencing facility.

Campus Management Solution

There is no main Campus Management Solution being employed by CIIT. However, different information systems at its campuses are working which are linked together and the combined software is known as CUOnline. It is developed by CIIT team of developers working in its IT-Center. It is mainly concerned about Students Records while it also covers many other areas of information. CUOnline has many modules for different administrative sections as well as

the students and teachers. CIIT Lahore and CIIT Abbottabad have Student Information System (SIS), Students Fee Management System (SFMS) for Accounts department, Human Resource Management System (HRMS), Library Information Management System (LIMS). CIIT Islamabad, CIIT Attock, and CIIT Sahiwal have SFMS and SIS whereas CIIT Wah and CIIT Vehari have SIS, LIMS, and SFMS.

Development of Online Admission System

The online admission system of CIIT is functional since its Fall 2011 semester and is working efficiently and facilitating the candidates to apply online from all around the globe. During Fall 2012 admission campaign, 55,940 candidates registered through the online admission web portal and during Spring 2013, the number was 18,488. The campus-wise statistics of the registered candidates during the reporting period are tabulated below:

Campuses	Fall 2012	Spring 2013	Total Students Registered during 2012 -13
	Students Registered		
Islamabad	20,449	7,656	28,105
Abbottabad	8,844	2,922	11,766
Wah	5,073	1,763	6,836
Lahore	16,847	3,935	20,782
Attock	1,111	404	1,515
Sahiwal	2,915	1,430	4,345
Vehari	701	378	1,079
Total	55,940	18,488	74,428

Universities Building Communities
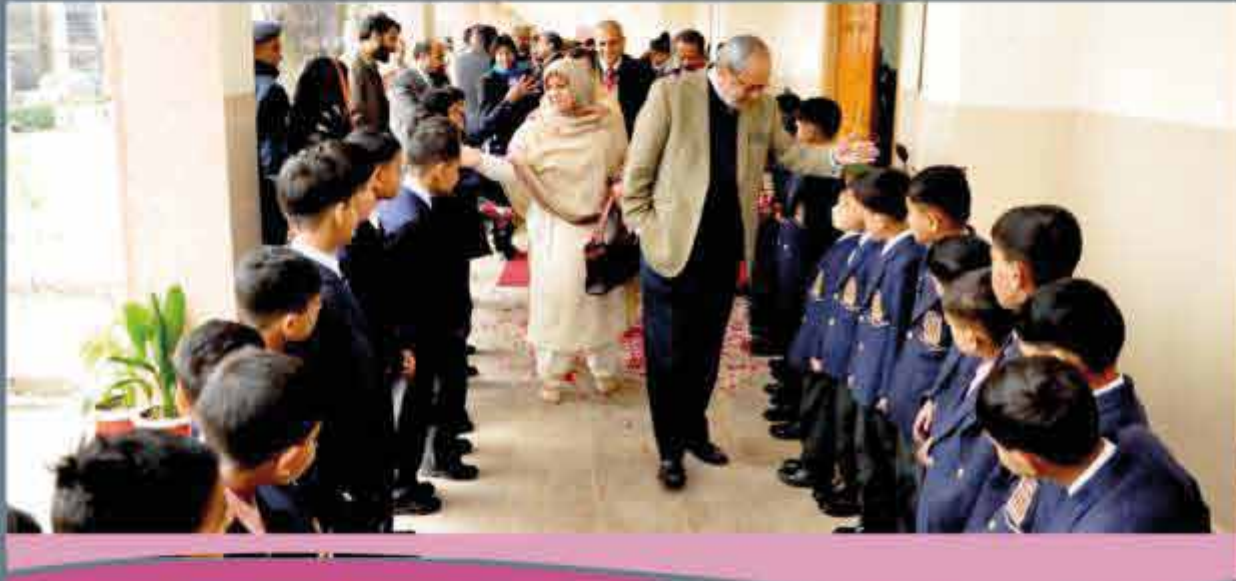
University-Community Building and Interaction

Community building is an important aspect in overall growth and strengthening of the society. It requires incessant collaboration between all the stakeholders of a community. CIIT also understands its importance and is continuously working to bring people together to foster a healthy community, to develop its students in both academic and social aspects, to reach out to people and to prove to be a role model in this regard. Following activities were carried out by CIIT in this context during the reporting period:

Eid gifts distribution ceremony was held at CIIT Abbottabad to distribute gifts among children of Pakistan Sweet Home, owned by CIIT Abbottabad. The ceremony was held on August 13, 2012. This was the third event in

the series as similar ceremonies were also held to distribute gifts of Eid-ul-Fitr and Eid-ul-Azha among the children during the year 2011.

CIIT Abbottabad contributes to make it possible for his employees to perform Umrah. An Umrah funds draw ceremony was held on December 14, 2012 to choose the employees. 22 employees were selected through this draw.

On March 22 every year, environmental and social groups from all over the world mark the international day of Tree Plantation. Same campaign was promoted on this day at CIIT Abbottabad by the cooperation of National Tea Research Institute (NTRI) Shinkiari Mansehra. Tea Nursery was brought from NTRI and planted at Agri/Environmental Research Field in CIIT Abbottabad.

CIIT Wah organized a seminar on international thelassemia day on May 8, 2013 to create awareness about this serious disease and also arranged voluntary blood donation in collaboration with Red Crescent Society to help those suffering from this dreadful disease.

CIIT Wah made an effort to exhibit the work of the special children to support them and to amalgamate them in the society. Sports activities, songs competition, exhibition of paintings and crafts prepared by Special Children of Nasheman School was arranged on May 30, 2013.

CIIT Lahore also conducted variety of activities to contribute in the university community building and interaction. These included:

▶ A Tree Plantation Campaign was arranged on March 15, 2013 where 200 trees were planted in Lahore Campus with active participation by the students. CIIT showcased how educational institute can create social awareness and contribute to the natural environment.

▶ A traffic licensing program was held on May 30, 2013. A team of City Traffic Police of Lahore was invited to facilitate students and faculty to obtain driving licenses. The objective of the activity was to improve civic responsibility.

▶ By visiting around 40 organizations with the help of the placement office, the students collected around Rs.35,000/- donation for the victims of the flood in the districts of Naseerabad and Jaffarabad.

An anti-smoking campaign was arranged on December 14, 2012 at CIIT Sahiwal to create awareness about this aggravating issue and its harmful effects. It consisted of a walk from campus entrance gate to the academic block. After the walk, information about smoking and its harmful effects was spread through posters, leaflets and video projection.

CIIT Vehari also arranged many functions like spring gala, flowers exhibition, celebration of world book day, dengue virus campaign, woman day and labor day etc which has drawn a lot of people from the community.

Alumni Affairs and Achievements

COMSIAN Association at CIIT is a part of Office of Development and overlooks the matter of Alumni. The Association carried out the following tasks during the reporting period:

1. New alumni registered on Alumni Portal on CIIT website during 2012-13

were approximately 1000.

2. Alumni office kept on replying the messages /comments of alumni registered on alumni portal and also kept on sending birthday wishes through alumni portal to all alumni on their birthdays on daily basis.

3. An interactive session of alumni of 2002 with Guests from Lancaster University was arranged on September 2, 2012, in which the Director and all Head of Departments also participated.

4. Alumni office arranged biannual alumni E-Magazine and uploaded on alumni portal on September 27, 2012.

5. On September 16, 2012 souvenir display racks were installed in admission office and the development office, which includes different items like t-shirts, mugs, wall and desk clocks, table pens sets, and key chains.

6. Arranged the visit of around 350 alumni of 2012 to National Hockey Stadium for participation in inauguration ceremony of Punjab Youth Internship Program (PYIP) on November 12, 2012.

7. An interactive workshop titled "Software Configuration Management: Past, Present, and Future" was arranged at Department of Computer Science on September 28, 2012. IT/Software students and alumni participated in the session. This session lead to registration of around 15 students and alumni by M/s HR Vertical for onward hands on training at their premises.

Students of CIIT Wah arranged different activities for Special Children of Nasheman School, Wah Cantt.

A View of CIIT Abbottabad

Sports

The importance of sports in the life of a student is invaluable. It plays a vital role in molding students' life and developing human personality. Sports not only teach to maintain the physical stamina, but also empower students with obedience, discipline, the determination to win, will power, etc. Therefore, sports along with the academic results are essential for the mental, moral and physical development of the students.

By keeping this fact in view, CIIT organizes Students Week at its all campuses in every semester. The details of these activities during the period under review are as follows:

Inter-department Sports

At CIIT Islamabad Students Week was organized in Fall 2012 from October 13-21, 2012 while in Spring 2013 from March 23-31, 2013. During the student weeks, 13 interdepartmental games event were held including Cricket (Male and Female), Football, Volleyball, Basketball (Male and Female), Table tennis (Male and Female), Badminton (Male and Female), Tug of war (Male and Female), and chess. In Fall 2012, the department of Electrical Engineering was declared the champion of the event by wining the five games, whereas Management Sciences stood second by triumphed four events. In Spring 2013, the department of Electrical Engineering maintained its championship by scoring high in seven games.

Interdepartmental sports competitions Fall 2012 were organized from October 14-21, 2012 and in Spring 2013 from March 16- 24, 2013 at CIIT Lahore. Nine game events namely Cricket, Table Tennis, Badminton, Chess, Volleyball, Tug of war, Athletics, Foot Ball, and Hockey were held. The department of Electrical Engineering was the over all champion in Sports competition Spring 2013.

Likewise in all CIIT campuses the students Week was observed in Fall 2012 and Spring 2013, during which the various indoor and outdoor interdepartmental sports competitions were organized including Cricket, Football, Basketball, Volleyball, Table tension (Singles and Doubles), Badminton (Singles and Doubles), Chess, Carom Board, Lemon Spoon race, Gharooli Race, Dart Board, Rifle Shooting, Ludoo, Dodge the ball, Kabbadi, Tug of War, 3-Legged Race, Hurdle Race, Rope Skipping, and Puzzle Games

Besides, CIIT also organized the inter-campuses tournaments, including Football championship at CIIT Abbotabad, Cricket tournament at CIIT Lahore, and Badminton at CIIT Sahiwal. The Football companionship trophy was won by CIIT Islamabad, whereas the CIIT Lahore was the winner of Badminton and Cricket tournaments. Mr. Rasib Khan of Lahore Campus declared best player of the series.

To boost the potential of the highly talented youth of Sahiwal region, 2nd Under-19 Cricket Training and Coaching camp from May 22 – June 1, 2013 was conducted at CIIT Shaiwal. The event was sponsored by Bank Alfalah Limited and supervised by the

renowned officials of Pakistan Cricket Board (PCB). Pakistani star, national cricket player Mr. Umar Akmel was the chief guest of the opening session, besides Mr. Mohtisham Rasheed and Mr. Muhammad Jamil, Pakistan National Cricket team fielding coaches also graced the ceremony. During the camp, coaching and training was provided by Mr. Shahid Ahmed Butt, an official of Pakistan Cricket Board.

Participation in National Championships

CIIT always encourage the participation of its students in national level sports competitions. During the reporting time, CIIT's students represented it in the below mentioned national sports events:

▶ CIIT Sahiwal participated in Punjab Youth Festival held at Lahore from October17- 25, 2012. During the festival CIIT took part in Billiard, Chess, Table Tennis, and Badminton and got 1st position in all four games at district level. Furthermore at division level attained 1st position in Billiard and Chess, while 2nd position in Tennis and Badminton.

▶ CIIT combined team (Lahore and Islamabad Campuses) participated in the HEC Inter varsity Football Zonal competition held from November 9-12, 2012 at Quaid-e-Azam University, Islamabad. In the Quarter-Final match CIIT beat Bahria University, Islamabad by 4-1 goals. In the Semi-Final match CIIT beat Muhammad Ali Jinnah University, Islamabad by 1-0 goals and qualify for the final round where top 16 teams of Pakistani Universities were participating.

▶ 2nd Lahore Inter University tape ball tournament held from November 12-16, 2012 at CIIT Lahore. The final match was

played between CIIT and University of Lahore. University of Lahore won the match by 3 wickets. Test Cricketer, Mr. Abdul Razzaq was the chief guest of the prize distribution ceremony.

▶ CIIT combined Table Tennis team (Lahore and Islamabad Campuses) participated in the HEC Intervarsity Table Tennis Zonal competition held at Islamic International University, Islamabad on November 26-28, 2012. In the quarterfinal match CIIT beat Preston University, Islamabad by 3-1 games. Whereas in the semi-final match CIIT beat Baharia University, Islamabad by 3-2 games and qualified for the final round where top 16 teams of Pakistani Universities were participating. Mr. Saad Aleem, student of BS (Electronics), CIIT Lahore showed wonderful performance in the competition.

▶ CIIT combined Hockey team (Lahore and Islamabad Campuses) took part in the HEC Intervarsity Hockey championship held on November 27-30, 2012 at Pakistan Sports Board, Islamabad. In the Quarter-final match CIIT beat University of Engineering and Technology (UET), Taxila by 4-0 goals. The Semi-final match was played between CIIT and NUST, which was won by NUST by 2-0.

▶ A three day, HEC Intervarsity Athletics Women championship was organized and participated by CIIT Islamabad from December 5-8, 2012 at Pakistan Sports Complex Islamabad, in which 32 universities from all over the Pakistan participated.

▶ CIIT Lahore participated in the RED BULL Cricket tournament held at Lahore on December 26, 2012. The quarter-final match was played between University of Management and Technology (UMT), Lahore and CIIT. After the tough competition UMT won the match by 02 wickets.

▶ CIIT combined Cricket Team participated in the HEC Intervarsity Cricket championship on February 9-13, 2013 at Islamabad. In the pre-quarter final match CIIT beat Quaid-e-Azam University Islamabad by 83 runs. In quarter- final match CIIT beat University of Azad Jammu and Kashmir by 05 wickets and qualify for semifinal. The semifinal match was played between CIIT and International Islamic University (IIU), Islamabad and IIU won the match by 02 wickets.

▶ A five day HEC Intervarsity Cricket Zone C Championship was organized and participated by CIIT Islamabad from February 10-15, 2013, in which 16 universities of the C zone participated.

▶ Hockey team of CIIT Lahore participated in the LUMS Hockey Championship on February 15-17, 2013 at LUMS, Lahore. The 1st Round match was played

between CIIT and Lahore School of Economics. The match was drawn with 1-1 goals. In the second round match LUMS beat CIIT by 2-0 goals.

▶ CIIT combined Badminton Team took part in the HEC Intervarsity Badminton championship at NUST, Islamabad on February 23-26, 2013. In the pre-quarter final match CIIT beat IIU, Islamabad by 2-0 sets. In quarter- final match CIIT beat PIEAS, Islamabad by 2-1 sets and qualify for semifinal.

▶ CIIT Lahore participated in the HEC Intervarsity Chess competitions organized by Government Collage University (GCU), Faisalabad on February 27- March 02, 2013. CIIT beat University of Central Punjab, Lahore and UET, Taxila in the pool matches. GCU Lahore beat CIIT in the 2nd round match.

Achievements at National Level

CIIT is proud of its enthusiastic students, who performed outstanding in the fields and brought championship trophies to home. During the reporting period CIIT clinched the following achievements on its credit.

▶ The final round of All Pakistan HEC Intervarsity Football Championship 2012-13 held at University of Punjab, Lahore. CIIT obtained 3rd position among all 110 participated universities of Pakistan. Mr. Mazhar Abbass, student of CIIT Lahore played a vital role in this success of CIIT In this event.

▶ LSE Sports Gala 2013 was organized by Lahore School of Economics (LSE), CIIT Lahore participated in the event and secured 2nd position in the Cricket and Hockey tournaments.

▶ CIIT got over all 4th position in final round of HEC Intervarsity Basket Ball championship.

▶ CIIT Lahore participated in the Inter-Lahore Universities Sports competitions organized by University College Lahore (UCL) and clinched the championship of hard ball cricket tournament. Mr. Rasib Saleem of CIIT declared best player of series. Besides, CIIT also secured 3rd position in Football championship.

▶ Mr. Tahir Javed and Mr. Muhammad Usman, students of CIIT won 8th and 9th position respectively in the HEC Inter-Varsity (boys) Athletics championship, while in HEC Inter-Varsity (Girls)

Athletics championship, Mr. Ayesha Ch secured 8th position in Discus Throw and Ms. Misbah Wajid got 10th position in Javelin Throw.

▶ CIIT won the championship of HEC Intervarsity Volley Ball competition held at PMAS-ARID Agricultural University, Rawalpindi.

▶ CIIT Sahiwal won Bronze Medal in Billiard and 4th position in Chess competition during the Punjab Youth Festival, 2012 held at Lahore.

Award for Sports Persons

CIIT took pride in the marvelous achievement of its sports person and greatly endeavor to motivate and encourage them. Therefore, CIIT provides all types of the facilities and awards various sorts of medals, shields, trophies, and certificates, etc. to the contestants and champions.

Moreover, by keeping this policy, CIIT Sahiwal arranged a free 2nd Under-19 Cricket Training and Coaching camp from May 22 – June 1, 2013. After conducting trials, 40 talented cricket players were selected from the Sahiwal region, and Cricket Kits were also distributed among them.

Chapter 11

Universities Building Leadership

Student Leadership (Co-curricular Activities)

The fact that today's world has become extremely competitive cannot be denied. In such stressful environment, co-curricular activities are a mean to get mental rest and also to stay healthy and fit physically. These activities are also crucial in the growth and development of various facets of a personality and without them it is not possible to produce responsible citizens. These activities are helpful in inculcating diverse traits such as creativity, enthusiasm, positive thinking, etc. CIIT students arrange and participate in a variety of co-curricular activities, like exhibitions, expos, competitions, etc.

It is a tradition at CIIT that Students' Week is organized biannually to provide students with the opportunities to hone their skills and to express them. During the reporting year, two Students' Weeks were organized.

The first was held from October 13-21, 2012 and the later from March 23-31, 2013. Various co-curricular activities were organized during these weeks. The detail of few of these is as follows:

CIIT Islamabad organized wide array of co-curricular activities for intellectual and personal growth of the students. A number of literary and extra-mural activities were chalked out to promote students' life. Literary Society, Debating Society, Computer/Telecom Society, Dramatics and Adventure Clubs are there to engage students in creating campus culture through social and intellectual activities.

The co-curricular activities arranged during the students' weeks included Naat and Qirat competition, Inter-departmental parliamentary debate contest, art mela, cooking show, tower of hanoii, horse show, declamation contest oxford, story writing competition, different gaming competitions, musical evenings, extreme riding, scavenger hunt, car and bike show, mushiara, cultural show, bait bazi, mime, and flower arrangement, etc.

A Mehfil-e-Milad was organized by Information Technology Center and Admission Office of CIIT Islamabad on February 07, 2013. The program consisted of Tilawat-e-Quran, recitation of naats, salam to our beloved Prophet Muhammad (S.A.W.), speech, and dua.

Library Information Services (LIS) held an awareness raising walk and organized a book exhibition of recently acquired material as part of the World Book and Copyright Day celebrations at CIIT Islamabad on April 23, 2013. By holding these types of events every year, library intends to educate the educational community of CIIT about the importance of books, reading habits, and copyrights issues. In addition to this, by holding library book exhibition, library intends to provide opportunity to discover something new to users from what they are used to read.

Students from the department of Architecture, CIIT Islamabad participated in the following painting competitions during the reporting period:

▶ Painting competition organized by Institute of Space Technology in October 2012 during world space week in which CIIT won the second and third prize/Cash Awards.

▶ Painting competition held during National Festival of Culture & Democracy organized by Lok Virsa Islamabad, in November 2012 in which CIIT won third and fourth prize.

CIIT Abbottabad organized an inter-department puzzle game in which students of department of Pharmacy were the winners. Students of Bachelor of Software Engineering came out shining in Luddo single and double games. Besides, different bodies like AADRISH, COMSATS Literary Society, and FUNKADA at CIIT Abbottabad are also actively engaged in organizing such activities.

The events organized by AADRISH included poster, sketching, and photography competition. COMSATS Literacy Society was involved in the events of Naat and Qirat competition, bait bazi, English and Urdu declamation whereas FUNKADA stick to its expertise and arranged sofiyana kalam and drama competitions.

CIIT Wah also organized various co-curricular activities during the students' weeks. A Ghazal Night was arranged on October 15, 2012 in which local ghazal singers participated. Also a Mehfil-e-Mushaira was arranged on October 17, 2012. The country's famous poets Mr. Anwar Masood and Mr. Sarfraz Shahid entertained the audience with their humorous poetry. The department who was bestowed with first position in Naat completion was Computer Science and in Qirat competition the department of Management Sciences. A musical concert was arranged on October 17, 2012 in which local bands participated.

The audience enjoyed the live performance of the young pop singers.

A sketching competition on interdepartmental level was conducted on October 18, 2012 at CIIT Wah in which students from different departments participated actively. The students from Electrical Engineering department secured first position.

English and Urdu debate competition were also held on October 18, 2012 and October 17, 2012 at inter-departmental level during students' week at CIIT Wah. The Department of Management Sciences was the winner in Urdu debate and Electrical Engineering department in English debate. Department of Computer Sciences secured 1st position in Naat Competition and Department of Management Sciences secured 1st Position in Qirat Competition.

The cultural day was observed on October 18, 2012 at CIIT Wah, in which students displayed different regional and cultural stalls of traditional handicrafts and food items. The students organized cultural stalls of Punjab, Sindh, Balochistan, Khyber PakhtoonKhawa and Azad Jammu Kashmir. The event also featured traditional sports, foods, pottery, handicrafts and wonderful animal show.

CIIT Lahore organized 13th grand two day book fair 2012. The objective of the exhibition was to develop reading habits and to create awareness regarding the major book companies and their products.

CIIT Attock organized a Naat and Qirat competition among the students to bring out their talent and to encourage them in their endeavor. Besides, a mehfil-e-mushaira was also arranged to nurture the intellect of the students.

Marathon was organized on at CIIT Lahore on October 15, 2012. 243 students participated in this event. The marathon commenced from A Block and covered the whole campus. Department of Computer Science dominated the event and won both male and female marathon.

"Merchant of Venice" is a Shakespeare play which was performed by the students of CIIT Lahore on October 15, 2012. The play got huge appreciation from the audience for its outstanding performance.

A mushaira was organized on October 15, 2012. Highly distinguished poets and laureates from Pakistan like Anwar Masood, Dr. Khursheed Rizvi, Ata-ul-Haq Qasmi, Amjad Islam Amjad, Khalid Masood Khan, Abbas

Tabish, Shahnawaz Zaidi, Rakhshanda Naveed, Rehman Faris, Ahmad Hammad, Bushra Ijaz, Afshan Sajjad, Asrar Chishti, Yasser Siddiqi, Khatir Taunsvi etc participated in this event. This event was covered by City42 exclusively.

A funfair was held on October 16, 2012. Students had various stalls which varied from edibles to clothes and other accessories of daily life. The most popular stall amongst all was of song dedication.

Talent Hunt was organized on October 17 2012 at CIIT Lahore. Students were selected to compete for various skills such as singing, acting, and dancing etc. About 700-900 students attended this event. Rizwan Anwar, Sami khan (Lagaan Band), Moeez and Faheem were the judges for the competitions.

First round of HEC Allama Iqbal shield was held at CIIT Lahore. Warda Mir from Department of Management Sciences (Urdu Debate) and Muniba Idress from Department of Chemical Engineering (English Debate) were the winners of debate competition. They also won the inter-campus debate competition held at Islamabad Campus on October 18, 2012 during student week.

The inter-departmental drama competition was held on October 18, 2012. One team was selected from each department to take part in the interdepartmental drama competition. The competition consisted of some spectacular performances from the students.

Bonfire was held at CIIT Lahore on October 18, 2012. Its theme was Circus on Fire. The students witnessed mind blowing

performances from Pak China Circus and there were numerous edibles stalls at the Bonfire for the students.

Mukalaama on "Nikkah Fill Masaajid" was held on October 18, 2012 in association with Jang Group at CIIT Lahore. The purpose of the event was to have a dialogue on the issue of marriage. The speakers focused on the simplicity in weddings.

Mehfil-e-naat was held on October 19, 2012. Mr. Irshad Chishti recited some beautiful naats during the mehfil.

CIIT Sahiwal also has different societies/clubs which are involved in arranging such activities for their fellows. These societies include Literary Society, Adventure Club, Arts and Calligraphy Society, Drama Club, and Music Club. The events organized by these societies included tri-lingual declamation contest, naat and qirat competition, mushaera, essay competition, pencil sketching, calligraphy, hand made cards, painting competition, drama competition, national songs, ghazals, and qawali competition.

Besides these, adventure club organized a tracking from CIIT Sahiwal to Kanaan Park Sahiwal. Around 20 trackers participated in this walk.

Annual mushaera of CIIT Sahiwal took place on March 27, 2013. It was called "sham-e-zarafat" In view of Its humorous nature. Famous poets of Pakistan including Sarfraz Shahid, Inam-ul-Haq Javed, Khalid Masood, Zahid Fakhri, Badr Munir and Talib Jatoi recited their poetry.

A fun fair was also arranged by the students of department of Management Sciences on the last day of students' week. It was an extravaganza of colors and blossom. Food stalls, kite flying, horse dancing, joy rides etc. were a part of the fun fair.

A music concert of socialist music band LAAL was arranged by CIIT Sahiwal's music club on April 11, 2013.

A new series of dialogue styled debates was started as a regular event by Literary Society of CIIT Sahiwal from December 17-21, 2012. More than 30 to 35 participants were present. The topics were:

فیشن اسٹوڈنٹس کی ضرورت ہے
رٹے باز کامیاب ہو جائیں ہیں
پڑھو گے لکھو گے بنو گے نواب، کھیلو گے کودو گے ہو گے خراب

M. Shahzad Sharif from CIIT Sahiwal got third position in Annual district level English debate competition.

Besides these, egg parachuting competition was arranged on December 12, 2012, arm wrestling on December 14, 2012 were also arranged.

Literary Society of CIIT Vehari participated in the following events in intra-campus competition held in sports week March, 2013:

- Qirat,
- Naat,
- Speech (Urdu Serious and Humorous),
- Speech (English Serious and Humorous),
- Mushaira (Ghazal),
- Mushaira (Poem),
- Quiz, and
- Bait Bazi.

Finance

Annual Statement of Accounts

Draft Statement of Financial Position as on June 30, 2013

	2013 Total (Rs.)
NON CURRENT ASSETS	
Property and equipment	3,565,338,451
Intangible Assets	2,122,536
Long term investment	20,245,173
Long term deposits	808,360
Sub-total	**3,588,514,520**
CURRENT ASSETS	
Advances	72,738,081
Short term deposits and	30,590,397
Short term investments	588,742,428
Other receivables	26,645,864
Cash and bank balances	720,379,023
Sub-total	**1,439,095,793**
Current Accounts	**127,899,530**
Total	**5,155,509,844**
LIABILITIES & FUNDS	
General fund	(314,530,602)
Taleem Fund	125,526,807
	(189,003,795)
Deferred Grant	3,352,364,892
Non Current Liabilities	
Long-term financing	79,999,998
Liabilities against assets subject to finance lease	38,900,383
Students security deposits	110,607,924
Employees' retirements benefits	923,461,066
	1,152,969,371
Current Liabilities	
Accrued and other Liabilities	400,630,490
Short term borrowing	215,000,000
Current portion of non-current liabilities	80,751,532
Sub-total	**696,382,022**
Total Liabilities	**1,849,351,393**
Current Accounts	**142,797,355**
Total	**5,155,509,844**

Income and Expenditure statement for the year ended on June 30, 2013

	2013 Total (Rs.)
INCOME	
Fee Income	2,621,331,029
Amortization of grants	1,590,058,418
Other income	118,227,761
	4,329,617,208
EXPENDITURE	
Operating expenses	4,438,652,204
	4,438,652,204
(Deficit)/Surplus for the year	**(109,034,996)**

Note: The above statements are unaudited.

Financial Year at a Glance

As CIIT has consolidated its infrastructure and has expanded its Campuses, capital is invested in fixtures, staff and equipment, etc. The total assets have been increased by 23% as compared to last financial year.

Audit Report

Audit of the Accounts of CIIT up to June 30, 2012 by the Government and statutory audit has been completed. The Government audit for the year 2012-13 is likely to start from December 30, 2013, however, Statutory audit for the year 2012-13 is near to complete.

Development Budget

The summary breakup of allocation and release under PSDP is as under:

				Rs. in Million
Agency	On-Going Projects	Capital Cost	Allocation	Releases
HEC	07	5473.267	830.257	700.257
MoST	05	1739.425	246.330	176.697
Total	**12**	**7212.692**	**1076.587**	**876.954**

The detail of projects is provided in Annexure C.

Recurring Budget

A: Total Resources	2012-13 (Rs. Million)
I. Opening Balance	(465.100)
ii. Grants	
Federal Government	740.368
Supplementary/Additional Grants	-
Grant for Tenure Track Faculty	176.507
Need based Scholarships	134.130
Sub-Total: (i + ii)	**1,051.005**
iii. Own Resources	
Income - Fees	2,395.739
Income - Other than Fees	335.802
Sub-Total: (iii)	**2,731.541**
Total Current Year Resources: (ii + iii)	**3,782.546**
B. Expenditure	
Pay of Officers	781.733
Tenure Track Pay	524.187
Pay of Establishment	180.508
Regular Allowances	1,047.908
Other Allowances	98.124
Sub-Total (Pay and Allowances)	**2,632.460**
Other Charges including research	1,429.539
Total Expenditure	**4,061.999**

Self-generated Income

The main source of self-generated income for CIIT is the fees charged from the students. During the reporting period, the self-generated income was Rs. 2,731.541.

Student Spending Trend

During the reporting period, per student spending was Rs. 0.1776 million.

University Governance

Board of Governors

In Pakistan there are typically two types of educational institutions in the public sector; in the first group a bi-cameral governing structure in the shape of Senate and Syndicate is in place while in other group, uni-cameral system is prevalent with either a Syndicate or a Board of Governors (BoG).

CIIT falls in the second category having only the Board of Governors. BoG supervises and controls administrative, academic, and financial affairs, and lays down policies of the Institute. The meeting of BoG is held biannually, and is chaired by Executive Director, COMSATS. The members of BoG include:

1. The Executive Director, COMSATS, who shall be the Chairman of the Board;

2. The Rector;

3. The Secretary, Ministry of Science and Technology, Government of Pakistan or his nominee;

4. The Secretary, Ministry of Education, Government of Pakistan or his nominee;

5. The Chairman, Higher Education Commission or his nominee;

6. One person to be nominated by the Educational NGOs;

7. The Directors of the campuses of the Institute;

8. Two deans to be nominated by the Managing Committee of COMSATS;

9. Three persons of outstanding merit to be nominated by the Managing Committee of COMSATS; and

10. The Registrar of the Institute, who shall be the Secretary.

As of June 30, 2013, 23 meetings of BoG have been held out of which held in 2012-13 are given below:

Meeting #	Date of Meeting
22	August 09, 2012
23	December 26, 2012

Academic Council

The Academic Council is the highest academic body of the Institute and lays down proper standards of instructions, research and examinations, regulates and promotes the academic life of the Institute. The Academic Council is chaired by the Rector while the members included are Directors of the respective campuses, Chairmen of the teaching departments, all Professors of the Institute, Registrar (Secretary), and five eminent scholars to be nominated by the Board. According to the CIIT charter, the major functions of the council include:

▶ To advise the Board on academic matters

▶ To make regulations on the recommendation of BoS

▶ To propose to the Board schemes for the constitution and organization of Faculties, Departments, Campuses, and BoS

Until the year under review, 15 meetings of Academic Council have been held, out of which, 02 were during the reporting period.

Meeting #	Date of Meeting
14	December 04, 2012
15	April 06, 2013

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 Board

▶ 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 June 30, 2013, 16 meetings of BASAR have been held, out of which, 02 were during the reporting period.

Meeting #	Date of Meeting
15	November 29, 2012
16	June 12, 2013

Other Statutory Bodies: Academics

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: By the end of year 2012-13, 18 Selection Boards have been held, out of which, 02 were during the reporting period:

Meeting #	Date of Meeting
17	September 26, 2012
18	February 12, 2013

Finance and Planning Committee: By the end of year 2012-13, 14 meetings of Finance and Planning Committee have been held, out of which, 01 was during the reporting period.

Meeting #	Date of Meeting
14	December 03, 2012

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, 190 BoS meetings have been organized, out of which, 28 were held during the reporting period. The summary of the meetings during the reporting period is given below:

Board of Studies of Management Sciences

Meeting #	Date of Meeting
22	September 14, 2012
23	February 27, 2013

Board of Studies of Development Studies

Meeting #	Date of Meeting
11	October 04, 2012
12	February 15, 2013

Board of Studies of Humanities

Meeting #	Date of Meeting
3	October 01, 2012
4	January 10, 2013

Board of Studies for Biosciences

Meeting #	Date of Meeting
13	September 27, 2012
14	February 12, 2013

Board of Studies for Pharmacy

Meeting #	Date of Meeting
5	February 01, 2013

Board of Studies for Physics

Meeting #	Date of Meeting
14	September 19, 2012
15	January 07, 2013

Board of Studies for Earth Sciences

Meeting #	Date of Meeting
2	September 24, 2012
3	February 04, 2013

Board of Studies for Mathematics

Meeting #	Date of Meeting
14	January 09, 2013

Board of Studies for Chemistry

Meeting #	Date of Meeting
6	September 24, 2012

Board of Studies for Environmental Sciences

Meeting #	Date of Meeting
14	September 25, 2012

Board of Studies for Computer Science

Meeting #	Date of Meeting
17	September 05, 2012
18	February 28, 2013

Board of Studies for Computer Science (Health Informatics Unit)

Meeting #	Date of Meeting
4	September 05, 2012
5	February 28, 2013

Board of Studies for Architecture

Meeting #	Date of Meeting
10	September 07, 2012
11	January 02, 2013

Board of Studies for Electrical Engineering

Meeting #	Date of Meeting
17	September 10, 2012
18	February 25, 2013

Board of Studies for Mechanical Engineering

Meeting #	Date of Meeting
3	October 05, 2012
4	March 04, 2013

Board of Studies for Civil Engineering

Meeting #	Date of Meeting
2	October 16, 2012
3	January 04, 2013

Board of Faculty: There are five faculties in CIIT and each has their respective BoF. The purpose of each BoF is to coordinate the teaching and research work in the subject assigned to the 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 foras along with its observations, to examine the list of examiners, and any other functions as required.

Till June 30, 2013, 68 BoF meetings have been organized, out of which, 09 were held during the reporting period. The summary of the meetings during the reporting period is given below:

Board of Faculty of Business Administration

Meeting #	Date of Meeting
15	November 06, 2012
16	April 16, 2013

Board of Faculty of Science

Meeting #	Date of Meeting
13	November 5, 2012
14	April 16, 2013

Board of Faculty of Information Sciences and Technology

Meeting #	Date of Meeting
14	November 7, 2012
15	April 15, 2013

Board of Faculty of Architecture and Design

Meeting #	Date of Meeting
8	November 7, 2012

Board of Faculty of Engineering

Meeting #	Date of Meeting
14	November 06, 2012
15	April 17, 2013

Office of Development

Office of Development (OoD) was established and functional at CIIT since 2009 and since then is functional. There are two distinct parts of this office, namely the Endowment Fund and the Comsian Association (Alumni related). The activities of OoD during the reporting period are stated below:

Initiatives and implementation

▶ **Establishment of Students Financial Aid Office:** The Students Financial Aid Office (SFAO) was established to provide an opportunity for talented students who are financially incapable of meeting costs of education at CIIT. It also improved access to higher education, especially to those who are from far

flung areas of Pakistan. Various scholarships/financial assistance schemes are provided under the banner of Students Financial Aid Office. Few of these are tabulated below:

#	Name of Scholarship	No. of Awardees	Amount Disbursed (Rs.)
1	HEC Need Based Scholarship	671	31.5 M
2	ICT R&D	713	55.86 M
3	CIITEF Scholarship	104	13.34 M
4	FAWNS	95	1.82 M

▶ **Workshop on SFAO and Scholarship Schemes:** Office of Development conducted a full day training workshop on managing SFAO on June 25, 2013 which was attended by 32 participants from all campuses of CIIT. The main theme of the workshop was to create awareness on all scholarship schemes

available with Office of Development. The three most important and capital intensive projects discussed were, the HEC need based scholarship, the ICT R&D scholarship and CIITEF Scholarships, the combined yearly disbursement being in the vicinity of rupees 255 million.

▶ **Telenor campus branding (Fund raising activity):** CIIT Endowment Fund signed campus branding agreement with Telenor in August 2012 at three main CIIT campuses; Islamabad, Lahore and Abbottabad for the sole purpose of fund raising. An amount of Rs. 5.5 million had been raised through this activity. Telenor displayed banners at different locations in the said campuses.

▶ **Visit of National Management College (NMC):** 21 personnel from National Management College-Inland Study Tour visited CIIT Islamabad campus on May 21, 2013 for building industry-academia relationship.

OoD at various CIIT campuses provides linkage between alumni and industry by regular posting of jobs and internships on CIIT Alumni web portal. Approximately more than 4,500 jobs have been posted in year 2012-13.

During the reporting period, OoD organized the following events:

▶ **Workshop on CV Writing for CIIT students:** One day workshop on CV Writing was held at CIIT Islamabad with purpose of grooming CIIT students and making them capable of presenting their academic credentials in best possible manner. Syed Imran Shah, HR consultant at UCH Power Project was anchor of the workshop.

▶ **Alumni – Freshmen interaction:** OoD organized a Freshmen-Alumni interactive session on September 11, 2012. Freshmen admitted in Fall-2012 were invited for an informal session with old CIIT students (CIIT Alumni/Comsian), who joined CIIT 10 years ago and are now working in various industries, to share their practical experience, provide tips on pitfalls to avoid and highlight key success factors.

Future Plans of Office of Development

▶ Strengthening SFAO at each campus of the Institute. All financial aid windows shall be placed under this office. Financial Aid software will be developed to manage this set up.

▶ Launch of Alumni Association of CIIT primarily at campuses and then at the center.

▶ Fund Raising scheme for increasing

number of international students at CIIT

The sub-office of OoD started working at CIIT Abbottabad in June 2011. The prime objective of the office is to build a substantial asset base to ensure the support provided to the talented and deserving students through the CIIT Endowment Fund Scholarship. In this connection the OoD is involved in the planning and execution of different events like Workshops, Alumni Reunion and Seminars. The OoD is committed to make CIIT self sustainable by providing greater financial autonomy. During the reporting period, the activities organized by OoD Abbottabad are tabulated below:

#	Event	Agenda	Event Date
1	2 days workshop for graduating students	Career Development	July 2-3, 2012
2	CIITEF Scholarship Awarded/ Disbursed	Fall 2012	August 01, 2012
3	Orientation Day	Interaction of 2012 Comsians with new comers (Fall 2012)	August 30, 2012
4	Congratulation card and convocation's snap sent to graduates	A good will gesture	September 17, 2012
5	CIITEF Scholarship Awarded/ Disbursed	Spring 2013	December 10, 2012
6	3 Day Career Counseling Workshop	Career counseling for graduating students	January 14-16, 2013
7	Media Committee Activities	Active participation in different campus events	April 17, 2012
8	Student Financial Aid Office	Window for all types of financial assistance and scholarships	Constituted June 2013

A View of
CIIT Islamabad

Chapter 15

Health Center / Medical Facilities

Medical Facilities

CIIT has health / medical faculties at its all campuses, to meet the emergency situations. The detail of the medical facilities available at campuses is given below:

Medical Centre at CIIT Islamabad was established in 2009. The center is functioning 6 day a week, from where four Medical Officers, two Staff Nurses and two Nursing Assistants are working in two shifts under the supervision of, Syed Masood Ahmad Pasha (Consultant Thoracic Cardio Vascular Surgeon).

Medical center offer its services to the students, guests, staff and their families. The number of the patients given medical treatment since 2010 is presented in the chart below:

Moreover, about 2,000 patients have been referred to tertiary care hospital Federal Government Polyclinic Hospital Islamabad for admissions / treatments in emergency, medical, surgical, gynae./obs., orthopedic, pediatrics and cardiology wards.

The services offered at Health Center are consultation, first aid management / vital signs monitoring, nebulization /oxygen inhalation, random blood sugar testing with Glucometer, E.C.G, dressings/cut wound stitched, securing haemostasis in case of bleeding from nose/deep wounds, stabilizing patients in case of hypo or hypertension / shock, counseling / psychotherapy, minor surgical procedures, three beds for observation / retention (separate for male & female patients). Besides, different sort of the of emergencies like Minor Emergencies, Fainting / Unconsciousness / Fits, SOB (signs

Patients' Frequency

Year	Patients
2010	3,331
2011	9,915
2012	11,937
2013 (till June)	6,366
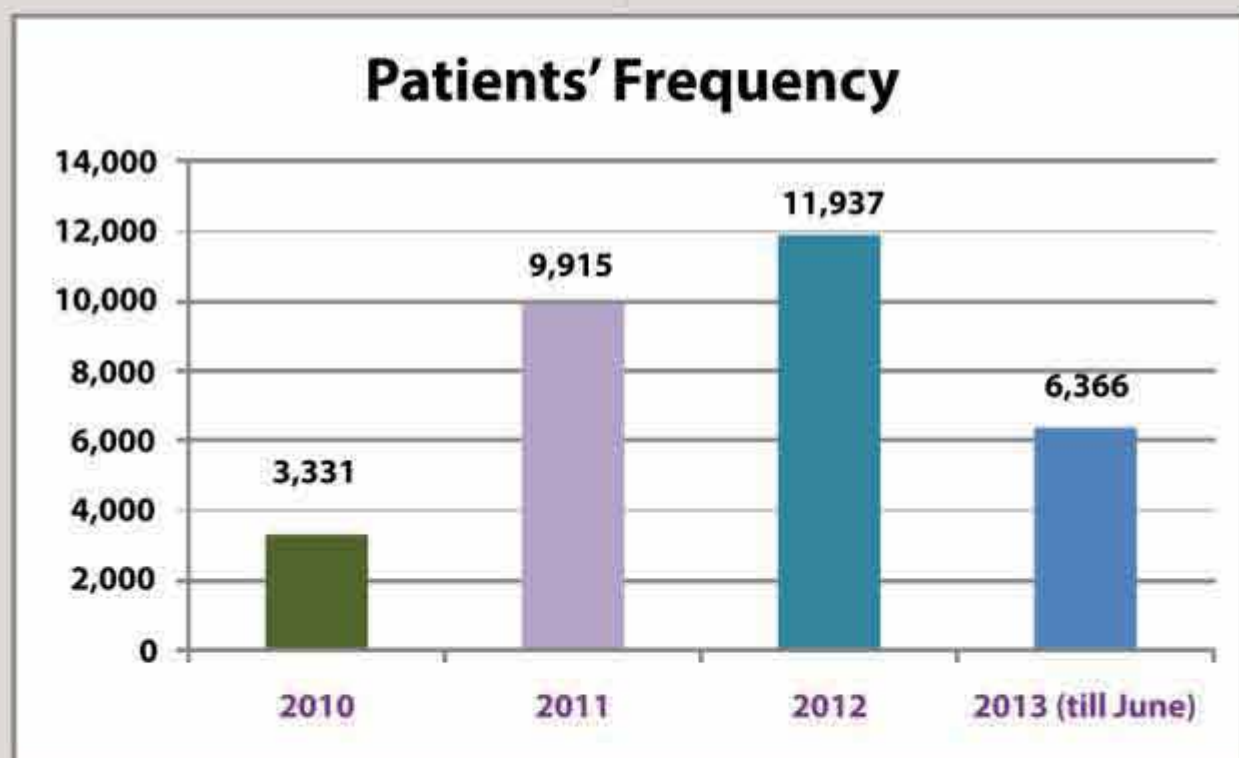
of breathlessness), Minor RTA's, Chest Pain (first aid before shifting to hospital) etc. are also dealt. Moreover, a fully quipped ambulance is available for emergency.

Medical center also maintained the life saving and other essential drugs, which are provided free of cost to the patients. During the reporting period medicines worth of Rs.1.5 Million were provided to the students, staff and their families, which were procured through donations.

In future, medical center will increase the number of observation beds from 3 to 10, and will provide the facility of complete initial medical checkup, at the time of joining service and annual medical checkup to the employees.

Medical center in CIIT Abbottabad became operational in April, 2006. Currently, a Senior Medical Officer, Dispenser and a Peon are associated with the center. The facilities provided to the patients include; provision of

first aid, counseling and psychological assistance of students, dressings / ASDs, stitching of minor wounds / injuries, Injecteble i/v, i/m and vaccines, nebulization / oxygen inhalation, sugar testing through Glucometer and wheel chair etc. and the serious emergencies are referred to nearest hospitals. Total number of patients visited at medical center during the reporting period is 6,604.

Besides, medical center also provides the medical cover during any event (e.g. conference, sports, etc.), maintained record of hypertensive patients and organized various awareness campaigns. To place the First Aid Boxes In all blocks of the campus, a three days training on Basic First Aid was also organized by the Medical Center from December 11-13, 2012.

A Health Center at CIIT Lahore is operational. A Resident Medical Officer, a Dispenser and a Helper are available at the center to take care of the patients. The available facilities

Health Center/Medical Facilities

include; first aid, blood pressure apparatus, sugar checkup apparatus, weight machine, treatment of general deceases like fever, flu, pains etc. drip facility, oxygen cylinder, nebulizer, thermometer, medicines, refrigerator for medicines, etc. whereas, an ambulance is also available to shift patients to the nearby hospitals in case of any emergency.

The frequency of the patients visited to the medical center during the reporting time was about 60 patients per day. Out of those more than 80% were students.

First Aid facility is also available at Wah, Sahiwal, Attock and Vehari campuses to deal with any unforeseen situations, as well as a qualified dispenser and an ambulance is available at Sahiwal campus for any emergency.
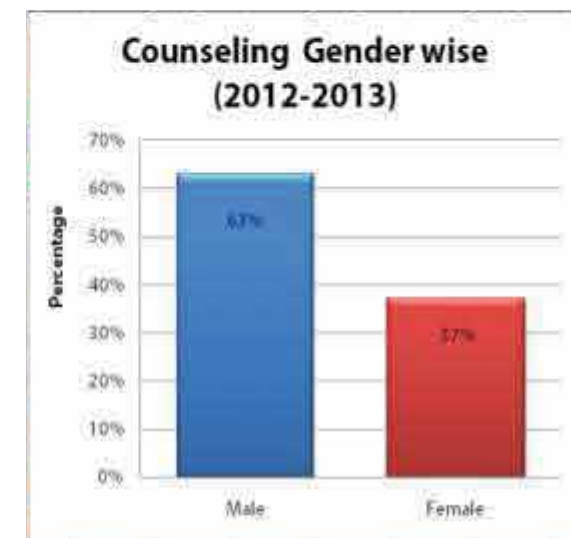
Counseling for Stress Reduction

To facilitate emotional, interpersonal, and intellectual development of the individuals, counseling services are provided in CIIT campuses. The purpose of these counseling sessions is to enable individuals to navigate towards greater self-sufficiency and effectiveness.

A Counseling and Psychology Center headed by Ms. Sadaf Sajjad (Clinical psychologist), is operational at CIIT Islamabad, to facilitate students and faculty members by providing emotional support, imparting life skills, and encouraging self-reflection.

The progress of the counseling services can be seen through the data during the reporting time. The ratio of clientage is as follows:
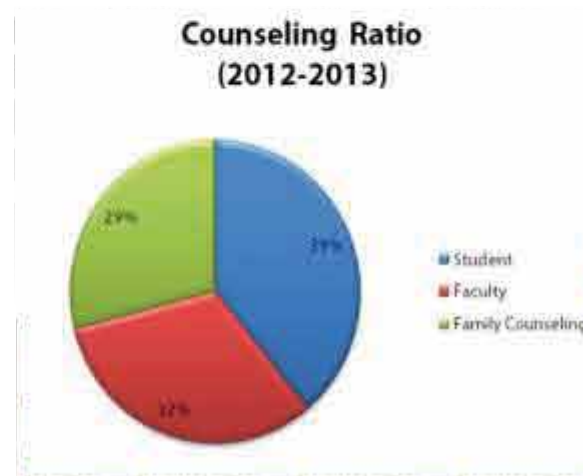

Counseling Ratio (2012-2013)
- Student
- Faculty
- Family Counseling

Source: Counseling and Psychological Center, Ms. Sadaf Sajjad, Assistant Professor

Counseling Gender wise (2012-2013)

Source: Counseling and Psychological Center, Ms. Sadaf Sajjad, Assistant Professor

Students are sometimes self-referred and most of them are referred by faculty. The problems notably in ranking are:

Student Problems in 2012-13
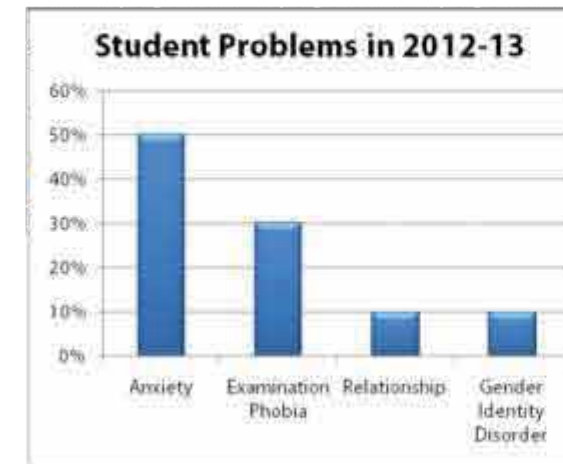
Source: Counseling and Psychological Center, Ms. Sadaf Sajjad, Assistant Professor

To maintain the students' self-esteem, identity, self-worth, pride, dignity and meaningful life by eliminating the depression and stress, a Counseling center at CIIT Attock was established in 2013. The center provides a self-assured outreach services to students including eradication of mental and social stress, depression, anxiety and other mental illnesses. More than 100 persons have been examined since the inception of the center.

At CIIT Lahore, Counseling services are provided to the students in their academic, psychological, and social issues trough specialist staff at the medical center. Psychological advice is provided by Clinical Psychologist, normally by appointment.

Annexure: A

List of National and International MoUs

National MoUs during 2012-13

#	Name of Institution/Organization
1	Pak China Institute, Pakistan, Islamabad
2	Electronic Solutions Pakistan Ltd, Islamabad
3	Bilytica Private Limited, Pakistan, Lahore
4	AiD Technologies Islamabad
5	Pakistan Council of Scientific and Industrial Research (PCSIR)
6	M/S Tele Taleem (Pvt) Ltd., Islamabad
7	Foundation University, Islamabad (FUI)

International MoUs during 2012-13

#	Name of Institution
1	TWAS, the Academy of Sciences for the developing world, Italy
2	Department of Elec., Eng., and Information Technology, Paderborn University, Germany
3	Potsdam Institute for Climate Impact Research, Germany
4	Zhangping Transit Energy Saving Optoelectronics Technology Co. Ltd. China
5	Beijing University of Technology YuanTong Education Center International, China
6	Chengdu Datangren Biogas Technology Development Co. Ltd. China
7	Biogas Institute of Ministry of Agriculture (BIOMA), Chengdu, China
8	China Social Economic Investigation & Research Center, China
9	Beijing Jiakailong Investment Consulation Center, China
10	Chongqing Biogas New Energy Co., Ltd, China
11	Centre of NanoPhotonics of the Berlin University of Technology, Germany
12	International University of Sarajevo, Bosnia Herzegovina
13	EDIBON International S.A, Spain
14	American University of Sharjah, UAE
15	University of Camerino, Italy
16	The Federal University of Rio de Janeiro, Brazil
17	EmbrapaAngrobiology, Brazil
18	University of Malaya, Kuala Lumpur, Malaysia
19	Jacobs University Bremen,Germany

Annexure

#	Name of Institution
20	Technische Universitat Carolo-Wilhelmina ZU Braunschweig (TU Braunschweig), Germany
21	French Embassy, HEC and Participating Universities.
22	University De Evora, Portugal
23	University of Bonn, Germany

Annexure B

List of Completed Development Projects as on June 30, 2013

Islamabad	Rs. In Million
#	Name of the Project	Capital Cost
1	Strengthening of CIIT Labs, Islamabad (Revised)	22.930
2	Construction of Academic Block for CIIT, Islamabad (Revised)	46.610
3	Provision of Transport Facilities at CIIT, Islamabad	3.000
4	Capacity Building at Deptt of Mathematics, CIIT, Ibd	29.608
5	Strengthening of the Telecom Engg Deptt, CIIT, Ibd	29.820
6	Designing and Fabrication of Micro and Nano Electronic Devices for Applications at the Department of Physics COMSATS Institute of Information Technology, Islamabad	185.448
7	Establishment of Permanent Campus of COMSATS Institute of Information Technology at Chak Shahzad, Islamabad (Revised	395.373
8	Establishment of Radiation Physics Laboratory in the Department of Physics at CIIT, Islamabad	395.373
	Total	751.539

Abbottabad	Rs. In Million
#	Name of the Project	Capital Cost
1	Capacity Building at CIIT Abbottabad (Revised)	36.184
2	Establishment of a CIIT Campus at Abbottabad	38.131
3	Provision of Support Facilities at CIIT Abbottabad	31.903
4	Construction of Engineering Block at CIIT, Abbottabad	39.426
5	Post Earthquake Rehabilitation at CIIT, Abbottabad	39.630
6	Provision of Physical Facilities at CIIT Abbottabad	469.945
	Total	655.219

Lahore	Rs. In Million
#	Name of the Project	Capital Cost
1	Provision of Support Facilities at CIIT Lahore (Revised)	38.302
2	Establishment of CIIT at Lahore (Revised)	39.000
3	Strengthening of CIIT, Lahore (Revised)	27.553
4	Establishment of Telecom and IT Labs at CIIT, Lahore	36.540
5	Development of Labs and Faculty Offices to Meet the Urgent Requirement Using Pre-Engineered Steel Blocks at CIIT, Lahore	33.223
6	Upgradation of Existing Facilities at COMSATS Institute of Information Technology (CIIT) Campus at Lahore.	35.240
	Total	209.858

Wah	Rs. In Million
#	Name of the Project	Capital Cost
1	Equipping and Furnishing of New Block of the CIIT, Wah	33.790
	Total	33.790

Attock	Rs. In Million
#	Name of the Project	Capital Cost
1	Establishment of CIITCampus at Attock (Phase-I)	31.270
	Total	31.270

Sahiwal	Rs. In Million
#	Name of the Project	Capital Cost
1	Establishment of Permanent Campus of COMSATS Institute of Information Technology at Sahiwal	407.989
	Total	407.989

Combined	Rs. In Million
#	Name of the Project	Capital Cost
1	Network Enhancement of CIIT LANs	34.050
2	Transfer of Land and Construction of Boundary Wall etc. for Establishing CIIT Campus at Attock, Gujrat and Sahiwal	31.988
3	Engineering Faculty Development at COMSATS Institute of Information Technology, Islamabad	229.800
4	Infrastructure Development of COMSATS Institute of Information Technology Campuses at Abbottabad and Wah	344.676
5	Establishing COMSATS Institute of Information Technology, Campuses at Larkana, Vehari, Karachi & Quetta (PC-II)	12.000
	Total	652.514

Annexure C

List of On-going Development Projects during 2012-13

#	Approved Projects (HEC):	Capital Cost	Allocation	Releases
1	Establishment of COMSATS Institute of Information Technology Sahiwal Campus	407.989	67.389	67.389
2	Establishment of Permanent campus of COMSATS Institute of Information Technology Attock	472.352	100.000	85.000
3	Infrastructure Development of COMSATS Institute of Information Technology Islamabad Campus	2862.656	400.000	395.000
4	Development of Imminent Academic and Support Facilities at COMSATS Institute of Information Technology, Lahore	684.518	120.000	115.000
5	Establishment of Business Incubation Center at CIIT Islamabad	56.803	37.868	37.868
6	Construction and Setting up Office of National Testing Services (NTS) at Islamabad	56.803	37.868	
7	Uplifting Programme of COMSATS Institute of Information Technology, Gujrat	930.208	100.000	
	Total	**5473.267**	**830.257**	**700.257**

#	Approved Projects (MoST):	Capital Cost	Allocation	Releases
1	Faculty Development at University of Illinois at Urbana Champaign, USA	484.390	95.000	85.500
2	Strengthening of the Department of Biomedical Material Sciences at COMSATS Institute of Information Technology, Lahore	38.750	10.453	9.408
3	Establishing / Strengthening Research and Development Activities in Chemical Engineering Department at the COMSATS Institute of Information Technology, Lahore	37.953	10.877	9.789
4	Establishment of COMSATS Institute of Information Technology Campus at Vehari	426.154	80.000	72.000
5	Establishment of COMSATS Institute of Information Technology Jaffarabad Campus, Balochistan	752.552	50.000	
	Total	**1739.425**	**246.330**	**176.697**

ISLAMABAD ◆ ABBOTTABAD ◆ LAHORE ◆ WAH ◆ ATTOCK ◆ SAHIWAL
VEHARI ◆ VIRTUAL CAMPUS

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