COMSATS Institute of
Information Technology (CIIT)

Undergraduate
Prospectus
2014-15

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Greetings from the Rector

COMSATS Institute of Information Technology (CIIT) is a name well recognized among the Higher Education Institutions of the country and I am proud to share with you that it has become the prime choice for higher studies. During the past thirteen years, CIIT has developed into one of the largest multi-disciplinary university and the leader of change in the education scenario. CIIT chartered in 2000, started with a single lecture room, meagre resources, offering a few certificate courses and a postgraduate diploma in Computer Studies. With the visionary leadership and dedicated team, today it stands at an enviable position, with a choice of seven fully functional campuses along with its virtual campus, 06 Faculties, 18 Departments and around 100 degree programs to its prospective students.

In contemporary times, the transformation in the world economy is perennial; technologies evolve at neck breaking speeds. These are extra ordinary times requiring extra ordinary preparations and efforts. Students and parents alike acknowledge the changing trends and are eagerly seeking out institutions of higher learning where their thirst, curiosity and drive for knowledge are adequately convinced; where all round personality development takes place holistically, abreast with knowledge and managerial skills and the drive to lead and succeed; where they can take charge of their future with an open mind while exploring their chosen fields.

Since its establishment in 2000 as a Degree Awarding Institute, CIIT has always been at the forefront of innovation and has played proactive role in shaping the modern day higher education scene in Pakistan. It has more than 29,350 full time students studying in a wide range of undergraduate and graduate degree programs. By offering a broad range of disciplines, CIIT encompasses issues that are of real interest to professionals, prospective employers and to you as students. Our institution has 2,524 faculty members actively involved in academic and research activities. CIIT is one of the few institutions to have highly qualified foreign faculty, and every faculty member is doing the cutting edge research in their respective disciplines. Their expertise is reflected in our teaching and has made this institution a credible center of excellence both in quality teaching and research, and their extension for the benefit of society at large through product development and services.

In 2012, CIIT was ranked at number 3 on account of research output by its qualified faculty by Higher Education Commission (HEC). CIIT has been ranked at No. 1 in the Computer Science and IT category and at No. 9 in overall category by the HEC in 2012. It was a moment of celebration for CIIT when HEC ranked it

at number 4 in Pakistan in General Universities (Large) category in 2013. This success is a manifestation of its undeterred commitment and has led to an unprecedented number of applicants for securing admission in CIIT every year. Moreover, an international ranking agency, QS Organization, which carries out world universities ranking, carried out an independent analysis of various aspect of activities of CIIT and awarded three stars (out of a total of five) and out of a total, about 8-9 categories earned a perfect score of five out of five in as many as three categories of teaching, facilities; and engagement. The award was announced during a QS conference held in Seoul, South Korea in 2013.

I personally extend to you an invitation to come, visit us at any of our seven campuses, and experience the difference that opens your minds and unleashes your hidden talents and energies. Be a part of the best to bring out the best. Needless to say, the future and destiny of Pakistan is its bright and energetic youth. Nothing less than an educated and skilled citizenry is a sine quo non of a modern, tolerant, pluralistic and developed Pakistan. I am proud to report that CIIT has already contributed more than 26,300 graduates so far to the rising number of such well educated and well skilled Pakistanis.

We look forward to welcome you, and invite you to share our fervour of quality education.

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

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Introduction

Welcome to CIIT

CIIT began its voyage in the midst of challenges posed by the ever growing demands emanating from the changing environment in the global economy. The trends in the world economy were marked by the phenomena of diversification, relocation, mergers, restructuring, outsourcing, ever-increasing product market competition and deregulation of markets; and the new era of Internet and Information Technology was driving and forcing every nation on the planet to innovate, transform and evolve itself to changing conditions. In this emerging scenario, organizations were driven to continually improve their performance by reducing costs, innovating products and processes, and improving quality, productivity and speed to compete the market effectively.

Human resources were increasingly being taken as the major and essential asset of countries and multinationals. A skilled and well trained human resource adept with the new techniques of Information Technology (IT) applications was becoming the norm and a necessary accompaniment.

Pakistan was no exception and there was a dire need to establish a reputable Information Technology Institute to cater the demands of the changing times. As IT applications were non-existent and only insignificant vendor industry existed in the country, the young, aspiring and ambitious students in Pakistan found scant facilities for quality IT education. Hence the establishment of CIIT, with the primary objectives of providing quality education and training in the field of Information Technology, became a necessity. CIIT became functional in April 1998, and started operating in a rented building of the erstwhile University Grants Commission (Now Higher Education Commission).

CIIT was launched with the initial hiring of system assistants, programmers and other professional staff. The certificate courses began in August 1998. A website was also developed to mark the arrival of CIIT on the scene. In 1999, post graduate diploma in computer science was started. These courses were aimed to

train qualified engineers, scientists and graduates. The diploma course enabled the students to play a productive role in the IT market. The campus began these pioneering courses, working in a single lecture room and one computer laboratory with 16 computers. At the arrival of the second batch another office was hired from the National Institute for Science and Technical Education. Permanent and visiting teachers were hired for the purpose of running these courses. Moreover, CIIT assembled and groomed a core group of professionals specializing in customized software solutions to industry and commerce.

The year 1999 marked the beginning of regular classes in Bachelor of Science in Computer Science, Bachelor of Science in Computer Engineering and Master of Software Engineering. CIIT was affiliated with Sir Syed University of Engineering and Technology, Karachi. Admissions were announced and the faculty was hired side-by-side. Professional short courses were also introduced to build competence in implementing new technologies. These courses were designed and structured to fuse IT innovatively with the business industry to create and sustain competitive advantage.

In August 2000, infused with success, CIIT earned for itself a degree awarding Charter from the Government of Pakistan. Wah and Abbottabad Campuses came up in June 2001. Lahore Campus followed in March 2002. In August 2002, all departments were moved to H-8 Campus in Islamabad. The Attock Campus was established in April 2004, followed by Sahiwal Campus in December 2006, Vehari Campus in August 2008 and Virtual Campus started its classes in 2012. Within the initial years of its establishment, CIIT's latest course structure, state-of-the-art facilities and dedication to quality started to make ripples in the IT education sector. The result of this has been an overwhelming demand that is being satisfied with the establishment of new Campuses. The forthcoming campuses are expected to be established at Jaffarabad, Gujrat and Gujar Khan for which land has already been acquired. The Governments of AJK, Sindh and Baluchistan have indicated their willingness for the establishment of CIIT campuses in their provinces as well. In addition to this, on the advice of the Federal Government, efforts are also underway for opening an overseas campus in the Gulf region.
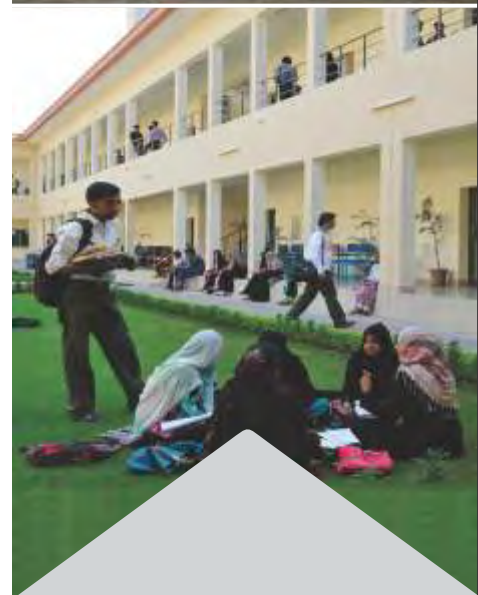
Thus, with the modest beginnings, CIIT has gradually placed itself in an enviable niche among the higher education institutions of Pakistan. Today it comprises of seven campuses, six faculties and 18 departments, offering more than 100 degree programs in a wide array of disciplines to its current and prospective students. Its ranking in the top Institutions of higher learning in Pakistan is a distinction, CIIT is proud of it.

CIIT is aware of its responsibilities and is making every effort to keep its academic excellence and research top notch. It has inked various Memoranda of Understandings for different educational and research purposes, where its young faculty and students alike are benefiting from the world class universities. These efforts in turn benefit Pakistani society where a rich pool of its human resource is being developed to make the dreams come true, envisioned by the founding fathers of Pakistan and CIIT.

Charter of Degree Awarding Institute (DAI)

The COMSATS Institute of Information Technology (CIIT) was granted status of Degree Awarding Institute (DAI) by the Federal Government of Pakistan vide Presidential Ordinance No. XXXVIII issued on August 12, 2000.

The President of Islamic Republic of Pakistan is the Patron and the Federal Minister for Science and Technology is the Chancellor of the Institute. The CIIT functions under the guidance of the Board of Governors (BOG) headed by the Executive Director, Commission on Science and Technology for Sustainable Development in the South (COMSATS).

The Board of Governors has representation from the Ministry of Science and Technology, Ministry of Education and Training, Higher Education Commission (HEC), educational NGOs and distinguished academia.

The principal academic and administrative officer of the Institute is the Rector, who performs his functions in accordance with the general policy guidelines of the CIIT, laid down in the Charter and enforced by the Board of Governors.

The CIIT is now slated for up gradation as a university, to be called "COMSATS University" through an act of the Parliament.

Board of Governors

Executive Director, Commission on Science and Technology for Sustainable Development in South (COMSATS)	Chairman
Secretary, Ministry of Science and Technology, Islamabad or his nominee	Member
Secretary, Ministry of Education, Trainings and Standards in Higher Education, Islamabad or his nominee	Member
Chairman Higher Education Commission or his nominee	Member
One Nominee of Educational NGOs	Member
Three Persons of Outstanding Merit nominated by the Managing Committee of the COMSATS	Member
Rector, COMSATS Institute of Information Technology	Member
Campus Directors, COMSATS Institute of Information Technology	Member
Two Deans of Faculties of COMSATS Institute of Information Technology nominated by the Managing Committee of the COMSATS	Member
Registrar, COMSATS Institute of Information Technology	Member / Secretary

Mission

CIIT, founded in the belief that understanding enriches all people, is dedicated to the search for truth through advancement of learning and extending the frontiers of knowledge; to the sharing of this knowledge through education in an academically diverse range of disciplines; and to the application of this knowledge for the benefit of the people of Pakistan in particular, and the Muslim Ummah and the world, as a whole. The Institute's mission is threefold:

► Research and Discovery

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

► Teaching and Learning

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

► 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 educating a modern work force, and through research and development, production of goods and services, technology commercialization, and partnership with businesses, government and community groups.

In all of its activities, the Institute strives to sustain an open exchange of ideas in an environment that embodies the values of academic freedom,

responsibility, integrity, and cooperation; that provides an atmosphere of mutual respect, free from discrimination and prejudice on any ground; that assists individuals, institutions and communities in responding to a continuously changing world; that is conscious of and responsive to the needs of many communities. It is committed to serving; that creates and supports partnerships within the Institute, with other educational systems and institutions, and with communities to achieve common goals that set high expectations for and empower individuals within the community.

Achievements

International Office

As we continue our journey, we once again confirm our commitment in transforming CIIT into an excellent institution of academic learning and research. With regard to this, we have devised strategies for promoting greater international exchanges to overcome the upcoming challenges in higher education. We are committed to achieve our goals and for this purpose, an International Office has been established.

The International Office is responsible for initiating, negotiating, and sustaining international dialogue with counterpart education and research institutions with the ultimate objective of entering into mutually beneficial collaboration, resulting into faculty development, training opportunities and collaborative research endeavours.

Linkages with National and International Institutions

The CIIT in its brief history of twelve years has made landmark achievements by signing almost 120 Memoranda of Understanding (MoUs) with national and some of the world's renowned educational institutions. The nucleus rationale of getting into linkages is to encourage exchange of students and faculty to pursue higher education, to organize joint conferences, workshops and seminars, to arrange joint research activities, to work out on staff development programs and other academic related activities.

FPCCI Achievement Award

CIIT won the 1st FPCCI Achievement Award for its outstanding services in the category of education and training FPCCI (Federation of Pakistan Chambers of Commerce and Industry) is the apex body of trade and industry of Pakistan. FPCCI recognizes and
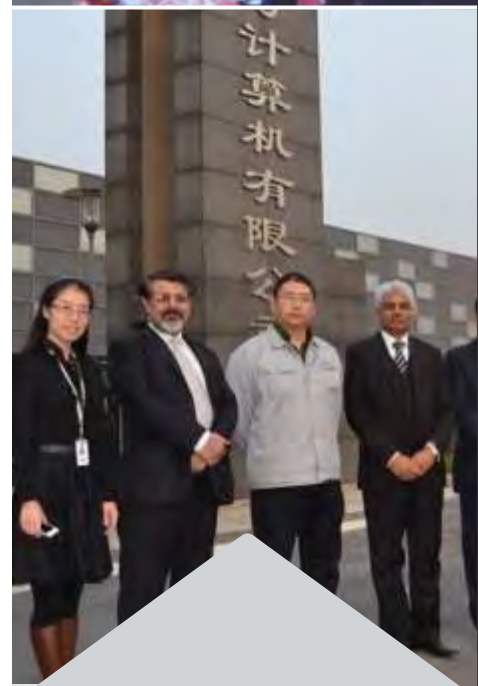
honors the dedicated and enterprising organizations that have made sustained and lasting contribution in socio-economic development of the country. CIIT's award is the first FPCCI achievement award of its type being conferred on any HEI in Pakistan. Some of the award recipients in other categories included, among others, industry giants such as PARCO, Guard Group, Al-Karam, NBP, Arif-Habib Securities, EFU Insurance, Hilton Pharma, and Rafhan. This award is an evidence of CIIT's efforts to create longstanding partnerships with industry and will help it furthering the cause of the country's socio-economic development. It will also help in attracting high caliber potential faculty and students, and enhancing competitive standing. This Achievement Award (gold medal) along with a certificate was conferred by the Hon'ble Dr. A. Q. Khan in an impressive ceremony held at PC Karachi on 22nd June 2013. Mr. M. Raza Ahmad Khan - GM (UIL/TT), ORIC received the award on behalf of CIIT.

Quality Enhancement Cell

At CIIT, we are always in the exciting process of dynamic change. During the previous ten years, for instance we have risen surely and steadily and still striving to be the number one. It gives us an opportunity to make self appraisals. Our rankings have been sustained consistently by outstanding scores for the quality of our teaching but the additional boost has been due to an increase in the quality and quantity of our research programs. We believe that strength in research is important in its own right because it sustains progress and identifies ways of overcoming the barriers to progress. It also benefits teaching, by challenging it to respond to the changing needs of students and also to the changing nature of society, especially in the workplace.

CIIT established the Quality Enhancement Cell (QEC) to introduce and implement the procedures and systematic standards for monitoring and evaluation of the various aspects of a degree program, a project, a service, or a facility to ensure that standards of quality are being met. HEC has designed a Self-Assessment Manual, which also gives eight major criteria subdivided into related standards to be achieved. QEC at CIIT is aggressively working in this direction for developing policies and procedures, and for enhancing the quality of institute in each and every respect.

Vice Chancellors' Forum on Universities in the Islamic World: Challenges of Internationalization September 23 - 24, 2013; Islamabad, Pakistan

The COMSATS Institute of Information Technology, Pakistan in collaboration with the Islamic Educational, Scientific and Cultural Organization (ISESCO); Ministry of Science and Technology, Government of Pakistan (MoST); Higher Education Commission, Pakistan (HEC); and the Federation of the Universities of the Islamic World (FUIW) organized 2nd meeting of the Vice Chancellors' Forum on 'Universities in the Islamic World: Challenges of Internationalization' on Sept. 23 - 24, 2013 at Islamabad, Pakistan (VC Forum 2013).

The VC Forum 2013 was attended by an overwhelming number of over 170 Vice Chancellors/Rectors/ Presidents of the universities/ higher education institutions of 23 OIC member states. The intellectuals' ensemble from the Islamic world deliberated on the following proposals:

➤ Creating of Islamic Universities Pool of Scholarships;

➤ Creating a Joint Research and Development Fund;

➤ Instituting Personnel Mobility Programme;

➤ Institutes Ranking in the Islamic World Universities; and

➤ Setting-up Interdisciplinary Center(s) of Excellence.

The program of the VC Forum 2013 included one plenary talk and 12 invited talks on the areas related to main theme of the Forum, "Universities in the Islamic World: Challenges of Internationalization". The academic elite of the Islamic world also deliberated on the following focus areas/sub-themes in 10 panel discussion sessions:

➤ The millennium year sleep in Research and Enquiry in the Islamic world;

➤ Building world class universities in Islamic world;

➤ Future of the university and university of the future;

➤ Internationalization models;

➤ Policy reforms in internationalization: experience of Islamic world;

➤ Is internationalization a western construct? What is the Islamic world view;

➤ Pooling resources: encouraging mobility;

- ➤ Research and innovation: the role of international collaboration;
- ➤ Islamic educational networking opportunities for scholars, experts and researchers; and
- ➤ Role model University from Islamic perspectives.

The VC Forum 2013 provided an excellent platform to the university leaders in the OIC member states in forging linkages for initiating joint academic programs, promoting research, pooling resources, offering scholarships, promoting exchange of students, establishing centers of excellence and so forth. It provided an opportunity to the University leaders for fostering collegiality, strengthening cooperation, and encouraging dialogue among the member universities. The VC Forum 2013 facilitated discussion, analysis thereby contributing to the formulation of strategies on major challenges of internationalization faced by the Islamic World in modern times.

The Vice Chancellors' Forum 2013 was concluded by adopting the following joint resolution in the General Assembly session:

Two days' Vice Chancellors Forum on Higher Education in the Islamic World met at Islamabad on September 23-24, 2013 and adopted by consensus, the following Resolution:

Takes cognizance of the fact that COMSATS Institute of Information Technology (CIIT), in collaboration with Higher Education Commission of Pakistan, Ministry of Science and Technology, Government of Pakistan, the Islamic Educational and Cultural Organization (ISESCO) and Federation of the Universities of the Islamic World (FUIW) convened the first ever meeting of the Vice Chancellors of the Islamic World on June 11-12, 2012, which was participated by over 130 Vice Chancellors of the Islamic World. This event provided an excellent opportunity to the participating universities to develop linkages with other participating universities;

Expresses appreciation to the Ministry of Science and Technology, Government of Pakistan, Islamic Educational, Scientific and Cultural Organization (ISESCO), Federation of the Universities of the Islamic World (FUIW), Higher Education Commission of Pakistan and COMSATS Institute of Information Technology, Islamabad, for convening the second 2nd Meeting of the Vice Chancellors Forum (VC Forum 2013);

Appreciating that VC Forum 2013

would provide a platform to the University Leaders for fostering collegiality, strengthening cooperation, and encouraging dialogue among the member universities. This would facilitate discussion, analysis thereby contributing to the formulation of strategies on major challenges of internationalization faced by the Islamic World in modern times;

Taking note of the Agenda for the VC Forum 2013, which includes (i) establishment of VC Forum as a legal entity having a permanent secretariat, (ii) creation of Islamic Universities Pool of Scholarship (iii) creating a Joint Research and Development Fund (iv) Instituting Personal Mobility Program for facilitating travel and inter-action among researchers and scholars (v) institutionalizing ranking among universities of the VC Forum and (vi) setting up of Inter-disciplinary Center(s) of Excellence;

Commending the input and commitment of the participating delegates for their deliberations in the various sessions of the VC Forum 2013.

Recommending the establishment of a permanent Secretariat of the VC Forum for convening future meetings of VC Forum and

ensuring greater integration and cooperation among the universities of the Islamic World in general and through the following course of action in particular:

1. To maintain a continuous liaison with members of the VC Forum for promoting the cause of higher education in the Islamic World.

2. Make efforts for the creation of a Joint Research and Development Fund by reaching out to the relevant Institutions and organizations in the Islamic World and relevant international institutions for promoting research and higher learning in the universities of the Islamic World.

3. Facilitate mobility of experts, scholars and students of the Islamic world for sharing the expertise and academic facilities available in other universities of the Islamic World through the provision of financial assistance, travel grants, scholarships and developing institutional arrangements for achieving this objective.

4. Inter-act with the Members of the VC Forum for establishing Centers of excellence in

ce Chancellors' Forum 2
Universities in the Islamic World
Challenges of Internationalization
September 23 - 24, 2013
Islamabad - Pakistan

Memorandum of Understanding
Signing Ceremony

various areas.

5. Institutionalizing ranking among universities of the Islamic World.

Commending further the member states of OIC and the members of VC Forum for their consistent support and cooperation in convening second meeting of the VC Forum held at Islamabad on September 23-24, 2013.

Expressing appreciation to the hosts for the excellent arrangements for arranging the VC Forum 2013, and the hospitality extended to the delegates during their stay in Islamabad.

Research, Innovation and Commercialization

The Office of Research, Innovation and Commercialization (ORIC) is aimed to transform pure knowledge into products and production processes with ultimate goal to give the research spectrum a more vibrant and strong stature. After receiving the intimation regarding establishment of ORIC, CIIT transformed the Research and Development Division into ORIC in March 2011, with some administrative modifications as per the requirements of HEC for establishing ORIC. The result is

that now CIIT has a fully functional and operational ORIC setup at the Principal Seat.

Realizing the acute shortage of highly qualified researchers and scientists and to enhance research culture among the CIIT Faculty, the Research and Development (R&D) Division (Currently ORIC) was established in January, 2005 in COMSATS Institute of Information Technology (CIIT). From its very inception, the R&D Division under the dynamic and visionary leadership of the Rector, CIIT is playing an active and vital role to enhance and encourage the CIIT Faulty to contribute and share in promoting the research activities by submitting their research proposals in all the disciplines.

The mission of the ORIC is to establish a strong research culture, Commercialization and Innovation within a dynamic, efficient and effective team of scientists and researchers and to motivate them to play an active role to plan, strategize and to materialize the vision and mission of the CIIT. In addition, the ORIC welcomes and creates good working relationship with other higher learning institutions, industries and donor agencies especially HEC, PSF, British Council and ICT R&D Funds etc. in the activities that can enhance entrepreneurship, academic and research excellence. It also focuses towards achieving technological

competitive edge and a world class status for the CIIT.

Research Output

At CIIT, faculty members and students are quite active in research in their respective fields. To encourage the research environment at CIIT, the management facilitates the faculty and students by providing facilities and incentives. The total number of research articles published by CIIT faculty till 2012 are 2,621. The detail of research publications year-wise is as under:

Year	No. of Publication
2005-06	178
2007	202
2008	195
2009	373
2010	327
2011	703
2012	611
2013	952
Total	3,541

National Testing Service

The National Testing Service was established in July 2002. The prime objective of NTS is raising the overall quality of education in the country through credible and technically appropriate and accurate systems of performance and skills evaluation for students of various educational institutions at different levels, including testing for employment and for scholarships at advanced levels of education.

Chapters of International Organizations in Pakistan

CIIT has also been successful in establishing a number of chapters of international organizations in Pakistan. Currently, the following initiatives are being pursued by CIIT:

a) Edward De Bono Foundation Pakistan:

This is an internationally recognized organization, which is committed to the promotion of teaching and training of 'thinking' skills at all levels, and to encourage the inclusion of 'thinking' as part of the curriculum.

b) Inter Islamic Network on Information Technology:

The Inter Islamic Network on Information Technology (INIT) has been established in pursuance of the decision by the COMSTECH taken in February 2002. The INIT is an independent, self-governing organization working for utilizing, directing, and encouraging the use of Information and Communication Technologies and associated systems among the OIC member states. The

INIT has been operational at CIIT since June 2002.

c) Catalyzing Role

The CIIT, although relatively young, has highly competent and dedicated professionals working for it, who continue to play a critical catalyzing role in conceiving new initiatives, which have gelled into successful projects. Some of the initiatives that have become full-fledged programs/projects were the launching of the Virtual University (2002), National Institute of Electronics (2002) and ISESCO Center for promotion of Scientific Research (2004).

Projects Undertaken

CIIT has facilitated initiatives undertaken by the Government of Pakistan for skills and human resource development. A few of these projects include Training of Data Entry Operators, Medical Transcription Training, Legal Transcription Training, IT Training for Federal Government Employees, Training of School Teachers, Training Developers in Java Technology, and Postgraduate Diplomas for Students from Baluchistan.

IT Faculty Hiring Program

The CIIT collected data from the public and private sector universities for human resources needs in IT and simultaneously established linkages with expatriate faculty through public solicitation and informal contacts. The services of highly qualified IT faculty were acquired on short term and were placed in different universities of Pakistan. It helped to provide access to quality instruction, new insights into the discipline and research trends in IT and strengthened relationships between local and expatriate faculty. The program has been so successful that the Government of Pakistan has approved a much larger foreign faculty hiring program in other fields of Science and Technology, at the Higher Education Commission.

Establishment of CISCO Academies

The Ministry of Science and Technology taking benefit of CIIT being a Regional CISCO Networking Academy has launched a project for the establishment of ten CISCO Local Networking Academies in public and private sector universities. The initiative has been successful in newly established networking academies, spread across the country.
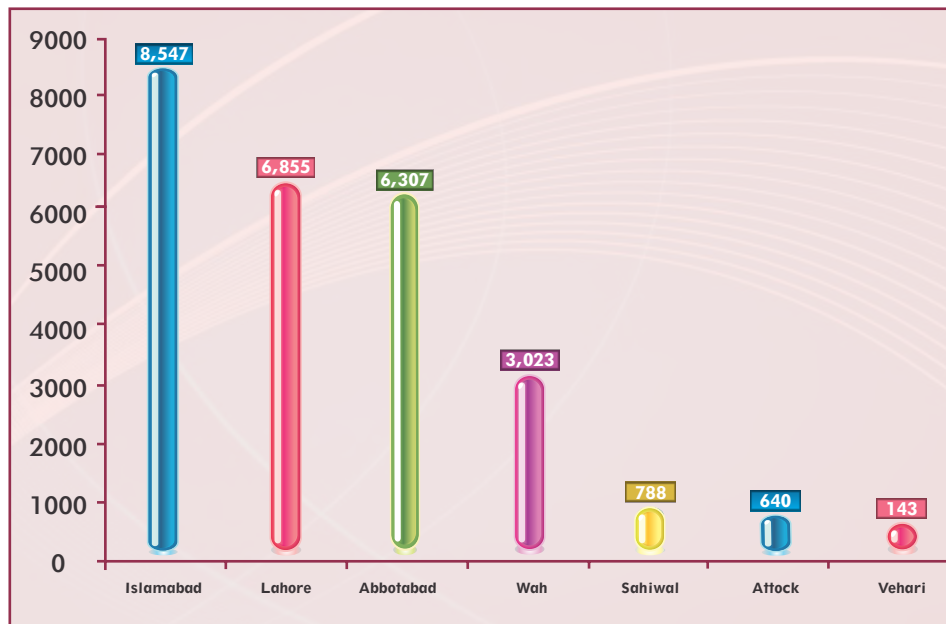
Technology Resource Mobilization Unit

Taking benefit of intellectual resource available at CIIT, the Ministry of Science and Technology instituted an arrangement for establishing and hosting think tanks in selected areas of IT. The areas were selected on the basis of their relevance to the national economy and mobilized technical expertise of private and public sectors. The program also facilitated outreach for the promotion of IT and helped the government and civil society alike in deploying IT for gainful purposes. The think tanks were instituted in the areas of Accreditation System for Education in IT, Computers in Schools, Call Centers, IT Law forum, Geographical Information Systems, Urdu and Regional Languages Software Development, Venture Capital, E-government, Women in Technology, Computer Hardware and Telecommunication Manufacturing in Pakistan, Simulation Software, Industrial Automation CAD/CAM/CAE, and Model IT Districts.

Convocations

So far 26,303 students have been successfully graduated from seven campuses of CIIT as shown in below chart:

Campus	Graduates
Islamabad	8,547
Lahore	6,855
Abbotabad	6,307
Wah	3,023
Sahiwal	788
Attock	640
Vehari	143

Ranking

Since its inception, independent entities have evaluated COMSATS Institute of Information Technology (CIIT) and the quality of its programs, such as the Higher Education Commission (HEC), Pakistan Engineering Council (PEC), National Computing Education Accreditation Council (NCEAC), Pakistan Pharmacy Council (PPC), and the Institute of Scientific Information (ISI) Web of Knowledge. It is a matter of pride for the CIIT that it has been able to record remarkable achievements in terms of ranking of its Engineering degree programs as well as research productivity of the faculty members.

In 2012, CIIT was ranked as number one (1) university of Pakistan in Computer Science and IT besides being ranked at number 9 among all 132 universities of Pakistan. This ranking was announced by HEC based on QS ranking format and for enhancing Quality and Research based Rankings of Pakistani Higher Education Institutes.

In 2012, CIIT was ranked at number 3 on account of research output by its qualified faculty by Higher Education Commission

(HEC). It was a moment of celebration for CIIT when HEC ranked it at number 4 in Pakistan in General Universities (Large) category in 2013.This success is a manifestation of its undeterred commitment and has led to an unprecedented number of applicants for securing admission in CIIT every year. Moreover, an international ranking agency, QS Organization, which carries out world universities ranking, carried out an independent analysis of various aspect of activities of CIIT and awarded three stars (out of a total of five) and out of a total, about 8-9 categories earned a perfect score of five out of five in as many as three categories of teaching, facilities; and engagement. The award was announced during a QS conference held in Seoul, South Korea in 2013.

QS 03 Star Ranking

The QS Quacquarelli Symonds is amongst the leading providers of specialist higher education solutions and ranking tables of higher education institutions around the globe. The QS yearly World and Asia Top Universities Rankings are closely followed by the global academic community. QS has therefore become one of the bywords of quality assessment of universities and a potent tool for students who need to select the institution which would be the destination of choice.

About QS Stars

The QS Star Rating system is an in depth analysis of a university's systems to award from one to a maximum of five stars in terms of quality and services. The Star Rating system benchmarks against over 30 widely recognised quality parameters and gives feedback and quality recognition for each parameter.

In September 2013, CIIT applied for star rating and is proud to announce the results by the QS Intelligence Unit:

5 Stars in Teaching

CIIT students can expect an excellent faculty – student ratio as well as high student satisfaction and opportunities for further study

5 Stars in Learning Facilities

CIIT students can expect access to excellent sports, medical and library facilities as well as IT Infrastructure.

5 Stars in in Engagement

CIIT students have a unique opportunity to be involved in academic activities that directly benefit community investment and development. They will also be part of the CIIT vision towards a more sustainable environment.

3 Stars

Overall, CIIT has been rated as a THREE STAR Institution

Faculties, Departments and Centers

So far, 06 Faculties, 18 Departments and 09 Centers have been established under the provision of Section 26(1) of the CIIT Ordinance:

Faculty of Information Sciences and Technology
- Department of Computer Science
  - Health Informatics Unit

Faculty of Engineering
- Department of Electrical Engineering
  - Center for Advanced Studies in Telecommunication (CAST)
  - Center for Professional Development (CPD)
- Department of Chemical Engineering
- Department of Mechanical Engineering
- Department of Civil Engineering

Faculty of Business Administration
- Department of Management Sciences
  - Business Incubation Center (BIC)
  - Center for Policy Studies (CPS)
  - China Study Center (CSC)
  - COMSATS Center for Executive Development (CCED)
- Department of Development Studies
- Department of Humanities

Faculty of Science
- Department of Mathematics
- Department of Physics
- Department of Bio-Sciences
  - Inter disciplinary Research Center in Biomedical Materials (IRCBM)
- Department of Environmental Sciences
  - Center for Climate Research and Development (CCRD)
- Department of Earth Sciences
- Department of Meteorology
- Department of Chemistry
  - Center of Advance Drug Research (CADR)
- Department of Pharmacy
- Department of Statistics

Faculty of Architecture and Design
- Department of Architecture

Faculty of Health Sciences

Academic Programs

CIIT is a world-class institution of higher learning with multi-campuses across the country. It aims to benefit youth of various regions and to provide opportunities to the students to opt for location of their preference. The CIIT has its Principal Seat in Islamabad and seven fully functioning campuses at Islamabad, Wah, Abbottabad, Lahore, Attock, Sahiwal, Vehari together with its Virtual Campus. Presently, the Institute in the respective campuses offers the following undergraduate degree programs:

Undergraduate Degree Programs for 2014-2015

#	Academic Programs	Campuses							
		Islamabad	Abbottabad	Wah	Lahore	Attock	Sahiwal	Vehari	Virtual Campus
Bachelor of Science in									
1	Accounting and Finance	✓		✓	✓		✓	✓	
2	Bioinformatics	✓					✓		
3	Biotechnology		✓						
4	Biosciences	✓							
5	Business Administration	✓	✓	✓	✓	✓	✓	✓	✓
6	Chemical Engineering				✓				
7	Civil Engineering		✓	✓					
8	Computer Engineering				✓	✓			
9	Computer Science	✓	✓	✓	✓	✓	✓	✓	✓
10	Development Studies		✓						
11	Earth Sciences		✓						
12	Economics	✓	✓		✓				
13	Electronics	✓							
14	Electrical Engineering			✓		✓	✓		
15	Electrical (Computer) Engineering	✓	✓						
16	Electrical (Electronics) Engineering	✓	✓		✓				

#	Academic Programs	Campuses							
		Islamabad	Abbottabad	Wah	Lahore	Attock	Sahiwal	Vehari	Virtual Campus
Bachelor of Science in									
17	Electrical (Power) Engineering	✓	✓			✓			
18	Electrical (Telecommunication Engineering)	✓			✓				
19	Environmental Sciences		✓					✓	
20	Mathematics	✓			✓				
21	Mechanical Engineering						✓		
22	Physics	✓			✓				
23	Psychology	✓			✓				
24	Software Engineering	✓	✓	✓	✓	✓	✓	✓	✓
25	Telecommunication and Networking		✓			✓	✓	✓	
Bachelor of									
26	Architecture	✓			✓				
27	Business Studies	✓	✓	✓	✓	✓	✓	✓	✓
28	Design	✓			✓				
29	Fine Arts				✓				
Master of									
30	Business Administration (Executive, 2-years)	✓	✓	✓	✓	✓	✓	✓	✓
31	Computer Science			✓		✓	✓	✓	✓
32	Development Studies		✓						
33	Economics							✓	
34	English							✓	✓
35	Mathematics					✓	✓		✓
36	Public Administration			✓		✓			✓
Doctor of									
37	Pharmacy (Pharm-D)		✓						
Associate Degree									
38	Associate Degree in Education								✓

Chapter 2
Campuses

The COMSATS Institute of Information Technology (CIIT) offers its students a wide array of study programs at its eight campuses across the country. Currently more than 27,000 students are enrolled in the Bachelor, Master, MS and PhD programs at CIIT. The CIIT has highly qualified faculty, trained staff, adequately stocked library resources and latest research infrastructure and facilities.

At present eight campuses, including a **Virtual Campus**, are functioning at:

Islamabad Abbottabad Wah Lahore

Attock Sahiwal Vehari
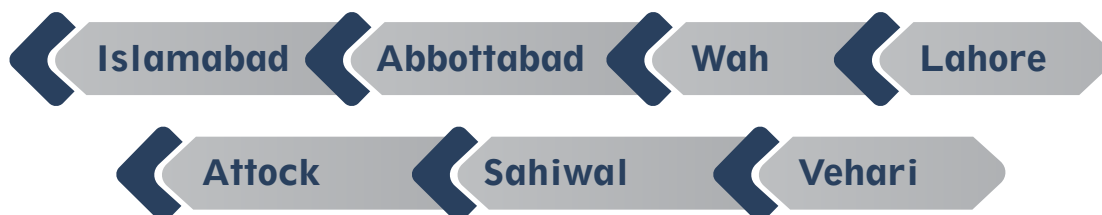
The work on establishment of more campuses is in progress particularly in the province of Sindh and Balochistan. On the advice of the Federal Government, efforts are underway on the opening up of an overseas campus in the Gulf region as well.

Islamabad Campus

History

COMSATS Institute of Information Technology (CIIT), Islamabad was established in 1998 to promote Information Technology and to reduce the ever-growing gap between the developed and developing world through useful applications of science and technology. During the first year of its establishment, the Institute offered only a few certificate courses and a postgraduate diploma in computer studies with a single class room and limited resources.

Islamabad Campus, is situated at Chak Shahazad, Islamabad. Currently more than 7,360 students are enrolled in various degree programs at this Campus.

Islamabad Campus provides what a discerning student is looking for in a learning environment, academic excellence, quality teaching, and constructive leisure activities. We appreciate that it is crucial for today's student to work in a physical environment conducive to study. Here the faculty not only teaches but mentors the young and impressionable minds. The newly built campus is fully equipped with facilities of international standards.

Academic Programs

The following undergraduate programs are being offered at Islamabad Campus:

Bachelor of Science in:

Accounting and Finance	BS(A&F)
Bioinformatics	BS(BI)
Biosciences	BS(BS)
Business Administration	BS(BA)
Computer Science	BS(CS)
Economics	BS(Eco)
Electronics	BS(Elec)
Electrical (Computer) Engineering	BS(ECE)
Electrical (Electronics) Engineering	BS(EEE)
Electrical (Power) Engineering	BS(EPE)
Electrical (Telecommunication) Engineering	BS(ETE)
Mathematics	BS(Math)
Physics	BS(Phy)
Psychology	BS(Psychology)
Software Engineering	BS(SE)

Bachelor of:

Architecture	B.Arch
Business Studies	BBS
Design	B.Des

Master of:

Business Administration (Executive, 2 Years)	MBA(Exe)
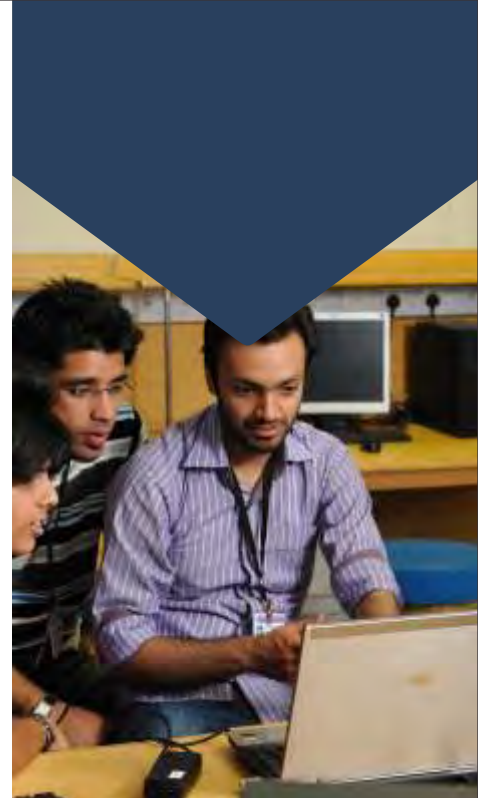
Facilities

The campus is spread over 43 acres with a total covered area of 471, 846 sq ft. The campus has 59 spacious lecture theatres, 48 laboratories and a Central Library with a covered area of 52,771 sqft. Each theatre has a capacity for 100-120 students. All lecture theatres are IT enabled, air-conditioned, well furnished, and well maintained.

Computer Laboratories

The Campus has deployed state-of-the-art IT infrastructure with a total number of 48 laboratories with a total covered area of 37,819 sq ft. 1,100 computers at Islamabad Campus is a prime example of CIIT's commitment to providing its students with optimum learning facilities. All workstations are networked to CIIT's LAN and a high bandwidth connection provides connectivity to internet round the clock. Major laboratories are Electronics, Microprocessor, VLSI and DSP and Biosciences laboratories.

Library

The library supports the academic programs of CIIT through collections, technology and services, which enables students and faculty to access digitized knowledge and information resources. This support empowers our students to develop the information and technological competencies necessary to achieve their educational, research and professional goals. This facility also enables them to succeed in the workforce, apply lifelong learning skills; and participate productively in society.

The library is spacious, well planned, and offers tranquil environment. It is fast developing into one of the richest information resource centers in Islamabad. The library subscribes to a large number of periodicals and journals, which have educational value for students. In addition, it also offers its users a rich learning environment complemented with electronic information access and services. The library has circulation, 'reserve' and reference sections. Internet facilities in the library connect users to libraries around the world for reference, assistance and consultation.

The stock consists of about 47,000 latest books on a variety of disciplines like Electrical Engineering, Mathematics, Physics, Biosciences, Computer Science, Business and Management, Design and Architecture, English Language and Literature. Our target of books is about

750,000 for the faculty and students.

The library is also providing digital and e-library facilities by making available the access to more than 33,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 27 different online databases under the HEC's National Digital Library Program. Students and faculty can access these resources from inside and outside the campus through IP address and VPN respectively. At present access through Virtual Private Network (VPN) is only available to senior faculty. Later on this facility would also be available for the use of students as per the policy of CIIT. The Library is also giving access to around 80,000 online books through 13 different databases that have also been made available through the HEC's National 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. More than 15,000 e-books on different subject areas are also currently available on the CIIT E-Library which is in ever-growing /developing stage and will become more and more exemplary/perfect with the passage of time.

Library Automation

The library is equipped with most modern technologies like RFID System and Library Management System which is providing users facilities like, self check in and check out for borrowing and returning of library material, Drop box for returning of borrowed library material, Online Public Access Catalogue (OPAC) of library resources, Online booking and reservation of library material, Digital Library, Electronic Journals and Databases, Audio/Visual Facilities, Dedicated computer systems for research and use for digital and electronic resources, wireless internet connection. Video conferencing room is another unique feature of this library. Equipped with latest audio video equipment and with a capacity of accommodating around 100 people, this facility provides excellent opportunity of remotely organizing and participating in lectures, workshops, seminars, discussions and meetings.

Reference Services

CIIT library has dedicated staff to provide efficient and reliable reference services and users can make queries by filling "Research Inquiry

Form" and submitting it to Services Department of library.

Bibliographic and Book Information Services

Library compiles bibliographies for users on request and provides information about national and international publishers and book traders.

Interlibrary Loan and Searching Facility

An inter-library searching option is also available in the library. Users can search material available in the libraries of different campuses of CIIT, through Union Catalogue, and can request for desired literature from them. Users can request library staff to help them in getting their required literature from other libraries through interlibrary loan.

International Library Loan and Photocopying Service

Library provides facility for international lending and photocopying service through British Library Document Supply Center in UK and Library of Congress in USA. This service provides users an opportunity to access books, journals and information resources which are not available locally. Library also provides facility of photocopying for those items which are within the provisions of the Copyright Act.

Discussion Rooms

Specially designed discussion rooms are one of many facilities being provided by CIIT library. Users can reserve discussion room by filling out a form and submitting it to staff at circulation counter.

Research Cubicles

Specially designed for research, these cubicles are available only to PhD scholars and faculty members. Situated at the second floor of library these research cubicles can be reserved by contacting the library staff at second floor.

Common Room for Girls

To facilitate our female students, the Campus has established spacious and comfortable common rooms. This space has been designed to give female students a place to relax, offer prayers, study, have informal discussions in free time available. Daily newspapers, magazines, periodical and journals are available for leisure reading. Female students appreciate this facility a great deal.

Catering Services

A food-street style catering service having shops and kiosks with a wide range of quality snacks and meals, at modest prices, is available throughout the day on the Campus. Students can relax and enjoy their breaks over a cup of coffee or tea. For faculty members and visitors, a state-of-the-art food hall has been established, where a variety of hot meals are available on 'self-service' basis in a clean and relaxing environment on subsidized rates.

Mosque

Regular prayers are held on the campus mosque. At one time almost 500 persons can pray inside the mosque. The construction of a land mark mosque on Islamabad Campus with capacity to accommodate more than 1,000 people, with separate facility for females and people with special needs is in final stage of its completion.

Photocopying Facility

Presently, 6 machines are working and over 10,000 pages are photocopied every day. The photocopy center is working on subsidized rates. The photocopy center has also the facility of spiral binding, stapler binding and hard binding.

Hostels

The Islamabad Campus has arranged rented hostel accommodation for 270 male and 120 female students. Further information on residential facilities is available from the Provost Office at the Islamabad Campus.

Extra Curricular Activities

Extensive extracurricular activities are a way to soften tough and grilling academic rigor. It also provides opportunities to make new friends. Islamabad campus is very active in extra-curricular activities, as would be clear in the following paragraphs.

Adventure Club

The Adventure Club organizes adventurous activities for students. The activities include excursions, hiking and trekking, visits to historical places, hill stations and geological sites. The Adventure Club currently has more than 250 student members. Here the adventurous will find good company to give vent to their unbridled spirits.

Bazm-e-Adab

Public speaking is a rewarding art that

one acquires through sheer practice. The objective of having the Bazm-e-Adab is to create interest in public speaking in the students by instilling in them confidence, self assuredness and enhancing presentation skills. Each semester members take part in intramural and external competitions and events.

Computer Science Society (CSS)

Computer Science Society is providing CIIT students opportunity to keep themselves updated with developments in the computing industry. For this purpose, software competitions and seminars are organized regularly. Our students are encouraged to acquire new skills by attending workshops and short courses in contemporary computing areas. Members have brought back several prizes won at competitions, held in other institutions.

Dramatics Club

An exciting variety of musical programs, exhibitions and dramas are organized by Dramatics Club, throughout the year. This provides fun time for students.

Electronics Society

Electronics Society is providing opportunities to students to take part in internal, regional and national activities. It aims to develop the concepts of our students by linking theoretical knowledge to practical experience by executing many activities that are part of the Society's function. This greatly helps our students to carve a niche for themselves in the market as professionals. The Electronics Society also organizes industrial visits as well as exhibitions to display electronics projects of the students.

English Literary Society

Effective speaking skills combined with sound knowledge are key ingredients to professional success. Providing assistance to students in developing English Language skills is the main objective of our English Literary Society, which is very active in various English language and literary activities on campus.

Fine Arts and Photographic Club

The Fine Arts and Photographic Club was formed in 2001 to enhance the creative skills of students and develop their aesthetic sense. The Club focuses on sketching, poster painting,

portraits, landscapes and photography.

Sports Club

Sports Club arranges all kind of activities to channel boundless energies of our students. It provides opportunities for sports enthusiasts to share their interests and participate in events. Sports Club organizes tournaments in Cricket, Football, Badminton, Table Tennis, Hockey and Athletics, etc. Besides regular sports activities in each semester, the club also organizes friendly, inter-campus matches from time to time.

Telecom Society

Telecom Society has been established to provide a platform to the students to pursue their interest in the field of telecommunication beyond academics. Through various activities, this society aims to increase in its members. The understanding on dynamic developments taking place in the telecommunication industry and also understanding of ways and means to benefit from it. Core activity areas are participation and organization of seminars and exhibitions, establishment of

career advisory center for students and arrangements for jobs and internships.

Career Development Center

COMSATS Institute of Information Technology, through Career Development Center (CDC), aspires to cater the personal, academic and professional needs of its students. The principal pivot around which the core dogma of CDC revolves is the veracity and actuality that careers are not established by mere degrees and diplomas. It is much more than that, much broader in spectrum and much holistic in disposition. At CIIT's CDC, we tend to channel our vigor, energy and efforts for the career development of student in a way that they shine out to be an employee of an employer choice. For the said, the center provides career development processes for students which embrace objects like career awareness, career exploration, career preparation, and work experience.

Our purpose is to expose the students to the options that best fit their individual career needs. To that end, CDC services include:

a) Personal, academic and professional help
b) Part-time and full-time job listings
c) Internships and placement
d) Personality development

e) Job fairs
f) Etiquette workshops
g) Résumé and interview preparation
h) In-house trainings
l) Campus interviews and employer contacts

Student Center

A new facility, with the name of Student Center has been provided on the ground floor of Faculty Block II, where student's queries are answered under one roof. The Student Center is being managed by the department of Students Affairs and Career Development Center. Student Financial Assistance office is also part of the Student Center and deals with any financial support requests of students. State of the art equipment and computer applications are available not only to assist students but also the working staff. All sorts of student queries are dealt here with the slogan of one window operation. The Student Center works as a bridge between students and other departments. Students submit their requests within friendly atmosphere of the Student Center and a ticket is issued in response to their query for future reference. The staff at the Student Center not only provides appropriate guidance to students but also forwards their requests to the appropriate departments. When requests are dealt with by other departments, the outcome is communicated to the students and usually the entire cycle of application processing completes within forty eight hours.

Celebrating Success

Since its inception CIIT Islamabad has produced 8,547 graduates. So far, 16 convocations have been organized.

Islamabad Convocation

Year	Graduates
2004	306
2006	330
2007	1,208
2008	337
2009	687
2010	1,361
2012	2,730
2013	1,212
2014	367
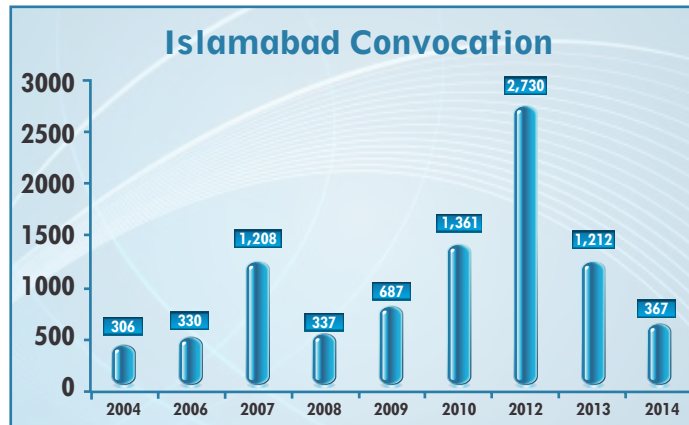
Abbottabad Campus

History

The Abbottabad Campus became functional in July 2001, and the first academic session started in September 2001. This campus is ideally situated in the vicinity of Pakistan Military Academy, Kakul. The campus is built on 308 Kanals of land leased by the Pakistan Army at Toba Camp.

The abandoned army barracks were converted into a living campus within a short period of two months by the CIIT team. The first academic session started with student strength of 121 and only three undergraduate programs. Soon Abbottabad emerged as a leading institute of the region. Today it has 11 departments, more than 5,580 students, 17 undergraduate programs, qualified faculty strength of 580 including 170 PhDs, and 65 modern laboratories. Its physical infrastructure emulates the best educational institutions of the country.

The natural climatic advantages of Abbottabad city, large land area, sports and recreation facilities and above all, a secure and friendly environment, have all combined to make the Abbottabad campus more of a resort. The campus is an ideal place to study, live and work. The campus area also encompasses parks, orchards and grounds, the lush green grounds, blooming flowerbeds and trees. Set in these environs, with a panoramic background view of Thandiani and Galiat mountains, makes CIIT Abbottabad campus a perfect place to study with complete peace of mind. The academic culture and environment are both challenging and exciting and since its inception, the Campus has maintained a fast pace of development and is now an ideal place for learning, research, and recreation. It has truly emerged as a regional leader in hands-on learning and innovation in many areas of science and technology.

Academic Programs

The following undergraduate programs are being offered at Abbottabad Campus:

Bachelor of Science in:

Biotechnology	BS(BTY)
Business Administration	BS(BA)
Civil Engineering	BS(CEE)

Computer Science	BS(CS)
Development Studies	BS(DS)
Earth Sciences	BS(ERS)
Economics	BS(ECO)
Electrical (Computer) Engineering	BS(ECE)
Electrical (Electronics) Engineering	BS(EEE)
Electrical (Power) Engineering	BS(EPE)
Environmental Sciences	BS(ES)
Software Engineering	BS(SE)
Telecommunication and Networking	BS(TN)

Bachelor of:

Business Studies	BBS

Master of:

Business Administration (Executive, 2 Years)	MBA(Exe)
Development Studies	MDS

Doctor of:

Pharmacy	Pharm-D

Facilities

Hostels

There are four on-campus hostel buildings to accommodate approximately 676 male and 180 female students. Our hostels have been established on international standards and contain central heating and cooling system, a mess, a gym, recreation rooms and round-the-clock security. Also, hostel rooms are spacious and built for comfortable living. Boarders have access to a 24-hour campus store and a mosque. CIIT hostels are managed by wardens who also look after the safety and security of students. Cultural and traditional norms are strictly followed in the hostels. A separate hostel for the faculty is also working.

COMSATS Community Development Unit (CCDU)

COMSATS Community Development Unit (CCDU) is an integral part of Abbottabad Campus. CCDU is engaged in the provision of quality consultancy services to different organizations in the specialized fields of management, organizational development, finance, re-structuring, Information Technology, software-development, assistance in the planning and implementation, monitoring and evaluation of organizational activities, and, importantly, in-house capacity building through the provision of specifically tailored training workshops.

COMSATS Information Technology Center (CITC)

CITC is a well-sized technology concern having a large number of skilled professionals. CITC has a successful history of projects and a long list of satisfied clients. CITC promotes, develops, delivers and facilitates the use of Information Technology services and resources, including application and web development, data warehousing, network design and configuration, inter access, corporate training, multimedia solutions, and testing services.

Library

Library is the most important facility at any educational institution. CIIT Abbottabad has provided its students with comfortable, spacious and peaceful environment in its library. It spreads over an area of 10,000 sqft, contains over 32,000 books and is growing rapidly. It subscribes to more than 30 research journals and magazines. Computers have been provided for browsing the web and the digital library. Photocopy and bookshop facilities are also available at the library. The library remains open for students from morning till midnight.

CIIT library provides a wide range of up to date information using the latest reference and information techniques, as well as books and periodicals in relevant subject and interest areas. Library services include reference and information services, current awareness services, periodicals and newspapers, photocopying facilities, access to CD-ROMs, bookshop for students, cyber station (Internet), HEC digital library, etc.

The library is also providing digital and e-library facilities by making available the access to more than 33,000 high quality, peer-reviewed

journals, conferencing proceedings and articles through 27 different online databases under the HEC's National Digital Library Program. Students and faculty can access these resources from inside and outside the campus through IP address and VPN respectively. At present access through Virtual Private Network (VPN) is only available to senior faculty and students enrolled in Graduate Programs. Later on this facility would also be available for the use of undergraduate students as per the policy of CIIT. The Library is also giving access to around 80,000 online books through 13 different databases that have also been made available through the HEC's National 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. More than 15,000 e-books on different subject areas are also currently available on the CIIT E-Library which is in ever-growing/developing stage and will become more and more exemplary/perfect with the passage of time.

Cafeteria

The cafeteria remains open for students and faculty throughout the day, seven days a week. To ensure quality and hygienic food, a student's mess committee is formed which monitors menu selection and ensures quality of service.

Common Room for Girls

This space has been designed to give female students a place to relax, offer prayers, study, have informal discussions in free time available. Daily newspapers, magazines and periodical journals are available for reading. Female students appreciate this comfortable facility a great deal.

Career Development Center

The aim of Career Development Center (CDC) is to support students in optimizing the value of their academic experience and in achieving successful transitions to the workforce and further educational endeavours. This center provides quality career development programs and employment-related services in order to empower students to actively engage in the integration and implementation of their academic and employment choices. This center develops positive faculty, staff and employer relations that result in access to career information and career opportunities for the students. The long-term objective is to achieve a high status among our competitors.

Extra Curricular Activities

Extra Curricular Activities are a vital part of any educational process. Sports, drama, creative writing, etc, all help individuals to develop balanced personalities by taking healthy breaks from academic rigors. Teamwork and competition also help in building character. Students' week is held during each semester at the campus. This student week is dedicated to sports competitions among different classes and departmental teams. As a tradition, faculty and the student body enthusiastically participates in this weeklong event.

Clubs and Societies

Clubs and societies are very important for creative activities on campus. A large number of clubs and societies are active at the Abbottabad Campus. These societies are involved in literary, dramatic, scientific, software and photographic activities. The societies regularly organize poetry reading competitions, debates, quiz shows, concerts, Naat and Qirat competition, photographic competitions and scientific gatherings. Presently, Software Development Society, IT Society, Dramatics Society named as 'Funkada', COMSATS Literary Society, Bazm-e-Adab, Art and Painting Society, Photography Society, Qirat and Naat Society, Eco-Adventure Club, Cricket Club, Football Club, Athletics Club, Badminton Club, Table Tennis Club, Girls Sports Club, Volleyball Club, Green Thumb Society, Entrepreneurial Society are quite popular among students.

Celebrating Success

Since its inception, CIIT Abbottabad has produced 6,307 graduates. So far, 14 convocations have been organized.

Abbottabad Convocation

Year	Graduates
2004	134
2006	202
2007	677
2010	1,662
2011	830
2012	1,198
2013	1,172
2014	432
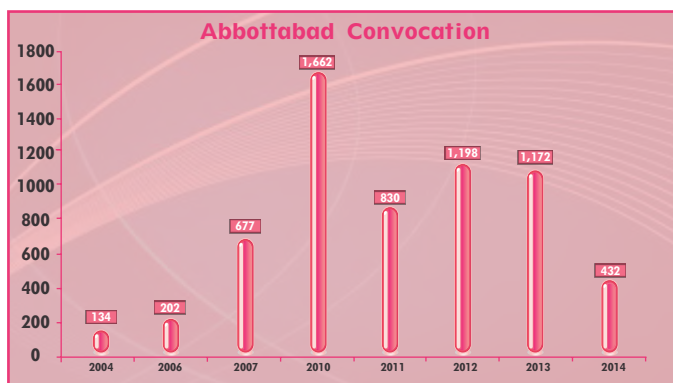
Wah Campus

History

The opening of COMSATS Institute of Information Technology (CIIT) in the historical and industrial town of Wah was a joint effort of the CIIT and Pakistan Ordnance Factories (POFs) Wah Cantt. CIIT started its campus at Wah in a record period of 70 days. The then Minister for Science and Technology/Chancellor CIIT formally inaugurated the Institute on September 14, 2001.Initially CIIT Wah started its operation in small guest house of POFs. In 2003, two purpose built academic blocks were handed over to CIIT on long term lease period by POFs. CIIT Wah extended its academic facilities by purchasing land contiguous to existing campus in 2012. The campus has also acquired 20 Acres of land near Brahma Bahtar Interchange on Motorway (M-1) to meet its future academic requirements. The campus is ideally suited for students who wish to seek education in a conducive environment.

The Campus is situated at G. T. Road, Wah Cantt. Due to its location, it is easily accessible to the students coming from Wah, Taxila, Rawalpindi, Hassanabdal and other surrounding areas.Wah Cantt is considered as the hub of industrial activity in the region. It is a place having high potential for the utilization of Technology and its incorporation in the industry. POF itself is a market with very high potential. CIIT being a world class institute in the region has paved the way for knowledge and learning, thus proving its worth and adding value to the region and to the country as a whole.

The campus is the first of its kind in Wah Cantt since the time of its establishment. It has a modern infrastructure and highly professional faculty members. CIIT Wah is fully equipped to handle the dynamics of the fast paced IT and engineering industry and to meet the challenges of the future. Here the dedicated Faculty ensures students to succeed and encourages them to benefit from the innovative education.

The Campus is housed in spacious buildings and provides state-of-the-art facilities for the acquisition of knowledge and skills in the field of Engineering, Information technology, Maths and Business Administration.

Academic Programs

The following undergraduate programs are being offered at Wah Campus:

Bachelor of Science in:

Accounting and Finance	BS(A&F)
Business Administration	BS(BA)
Civil Engineering	BS(CEE)
Computer Science	BS(CS)
Electrical Engineering	BS(EE)
Software Engineering	BS(SE)

Bachelor of:

Business Studies	BBS

Master of:

Business Administration (Executive, 2 Years)	MBA(Exe)
Computer Science	MCS
Public Administration	MPA

Facilities

Lecture Rooms

CIIT Wah has spacious lecture rooms which are fully furnished, air-conditioned and well maintained. Teaching aids such as multimedia and sound systems facilities are available in every lecture room.

Laboratories

Keeping in view the importance of practical training, Wah Campus has established the following departmental modern Laboratories which have around 320 state-of-the-art Computers and Laptop connected through LAN,WAN and PERN:

Computer Science: Seven Computer Laboratories are being used by the students specifically for Research and Final Year Project Laboratories (FYP).

Electrical Engineering: Communication, Control System, Microprocessor, Electric Machine &

Power System, Electronics, Digital Signal Processing, Digital System Design, Advanced Electronics, Project, Electronics Devices & Physics, Basic Circuits & Transformer, Basic Power & Power Electronics and Modern Electrical Insulation Aging Test Laboratories.

Civil Engineering: Structure, Engineering Geology, Soil Mechanics, Fluid Mechanics, Survey Mechanics and Transport Laboratories.

The above Laboratories have state-of-the-art equipment to give practical exposure to the students. Proper laboratories manuals, attendance, quality assurance and supervision are ensured by the department during the conduct of laboratories session.

Library

The library at Wah campus provides a wide range of up-to-date information using the latest reference and information, as well as books and periodicals in different subject areas. There are over 18,000 hard copies of books and almost 5,500 in soft form. A Book Bank is also available in the library to facilitate the students in providing text books.

The library is also providing digital and e-library facilities by making available the access to 33,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 27 different online databases under the HEC's National Digital Library Program. Students and faculty can access these resources from inside and outside the campus through VPN. The Library is also giving access to around 80,000 online books through 13 different databases that have also been made available through the HEC's National 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. More than 15,000 e-books on different subject areas are also currently available on the CIIT E-Library which is in ever-growing/developing stage and will become more and more exemplary/perfect with the passage of time.

Campus Management Solution

CU Online is the Web-based campus management system of CIIT Wah. It provides complete academic solution including registration, examination, fee, attendance, class management, course portal and more. It maintains extensive information about the students studying at CIIT Wah.

Students get their marks, attendance and other information through their console. They do online course registration and course evaluation. The faculty members enter the attendance and marks and upload the reading material for students, fee vouchers, result cards and progress reports are generated by CU Online. The system provides a wide range of reports and online query facilities.

Pakistan Education Research Network (PERN)

CIIT Wah Campus is availing bandwidth facility from Higher Education Commission under PERN Project.

Video Conferencing Facilities

The video conferencing facility is available at Campus Auditorium for about 200 persons.

Book/Photo Copying Shop

In any Institute, latest and updated editions of the subject books are a necessity. A formal bookshop is therefore present on the premises of the Campus where up-to-date books are available at reasonable prices. The facilities of photocopying, scanning, printing and book binding including stationary items on reliable rates are also available on shop.

Extra Curricular Activities

CIIT Wah provides an excellent academic atmosphere to its students together with a lot of opportunities for extra-curricular activities. The faculty puts in maximum efforts to groom and nourish young scholars placed under their care. We at Wah try our best to contribute significantly to build healthy minds in healthy bodies. Many events are organized to involve young minds ensuring full participation in character building activities and personality development. In order to broaden the vision of students, the institute arranges the industrial trips for students.

Students Week

Considering the importance of sports in an academic institution, there are a number of activities organized at Wah. Every semester, a Student Week is organized where competitions in volleyball, football, basketball, badminton, table tennis, cricket, squash, athletics, Naat, Qirat, and Urdu/English Debates are arranged. The Institute also actively participate at national level mega events and has earned many laurels.

Adventure Club

Adventure club has been

Wah Convocation

Year	Value
2004	114
2006	392
2007	262
2010	904
2011	415
2012	433
2013	379
2014	124
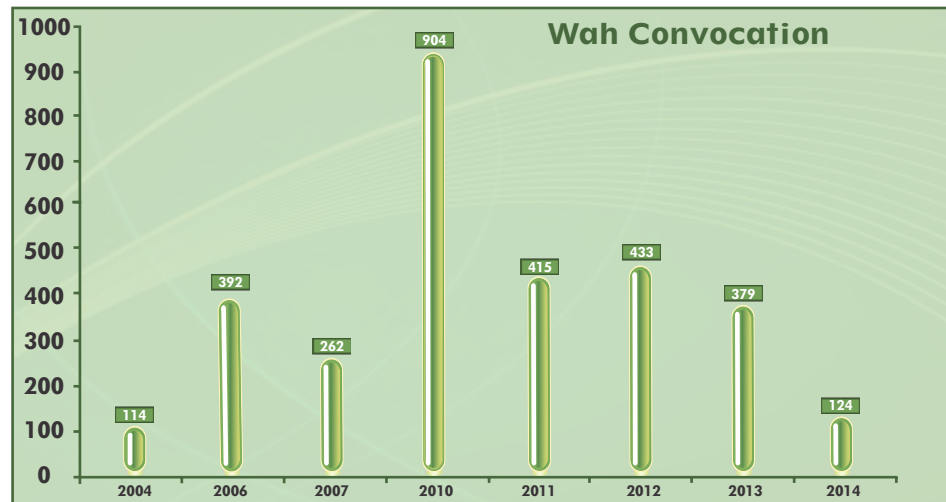
Lahore Campus

History

The Lahore Campus is located on Defence Road, Off Raiwind Road and is 30minutes drive from the main city. This campus was established in January 2002. The sprawling campus is purpose built and is spread over an area of 185 acres, with a constructed area of 436,729 sqft.

The campus is equipped with state-of-the-art computers and electronic laboratories. During a short span of time, the continuous efforts of the dedicated faculty and staff have made CIIT Lahore synonymous with academic excellence, which forms strong foundations for a bright career for its alumni. Here the young minds can really create a bright future for themselves.

The environment at the campus is vibrant, creative and challenging, for both teachers and students. The campus intends to excel in its research capability, which will open new frontiers of knowledge in Information Technology. In a city of learning as Lahore, the campus caters for the ever-increasing demands of students in the fields of Computer Science, Telecommunication Engineering, Computer Engineering, Chemical Engineering, Management Sciences, Physics, Architecture and Bio-Medical Material Sciences. Currently, 5,305 students are enrolled in different degree programs.

The campus consists of one administration block, five academic blocks, five workshops, a big mosque, hostels for boys and girls and a number of residential units for the employees. The location of the campus is strategically chosen to provide the students with an ideal environment, which is not only conducive for their educational pursuits but would also ensure that the students are well abreast of the latest developments in the IT sector. The campus offers 30% seats to the children of industrial workers free of cost
, besides a number of
other scholarships.

Academic Programs

The following undergraduate programs are being offered at Lahore Campus:

Bachelor of Science in:

Accounting and Finance	BS(A&F)
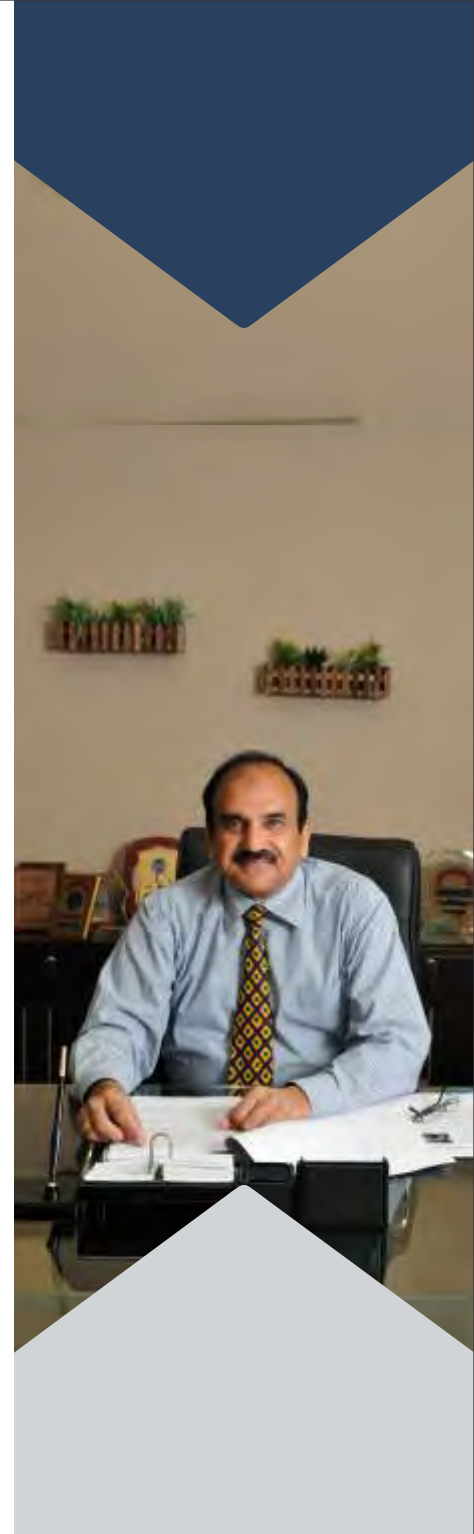
Business Administration	BS(BA)
Chemical Engineering	BS(ChE)
Computer Science	BS(CS)
Computer Engineering	BS(CE)
Economics	BS(Eco)
Electrical (Electronics) Engineering	BS(EE)
Electrical (Telecommunication) Engineering	BS(ETE)
Mathematics	BS(Math)
Psychology	BS(BPY)
Physics	BS(Phy)
Software Engineering	BS(SE)*

Bachelor of:

Architecture	B.Arch
Business Studies	BBS
Design	B.Des
Fine Arts	BFA

Master of:

Business Administration (Executive, 2 Years)	MBA(Exe)

Facilities

Hostels

The campus provides hostel facilities for both male and female students. The facility is available on first-come-first-serve basis and accommodates around 640 male and 400 female students. All information in this regard is made available at Warden Office at Campus.

Transport

CIIT Lahore Campus provides pick and drop services to facilitate the students and employees of the campus. Thirteen buses, eight coaches and two hiace vans have been arranged to provide this service on subsidized rates.

Lecture Rooms

The campus has 58 spacious and furnished lecture rooms, majority of whichare fitted with multimedia facility. Each has a capacity of more than 50 students and is properly maintained.

Computing, Networking Services and Laboratories

Network Operation Center and Information Technology Center of COMSATS Lahore offer state-of-the-art computing services on campus.

There are 20 computer laboratories, each equipped with latest computer systems, Data Center as per international standards, backbone connectivity with fibre optics, high speed internet connectivity, availability of the network hotspots all over the campus including lawns, canteens, hostels and common rooms, access of digital library on campus and from home, fully equipped multimedia class rooms, and video conference facility for online lectures and seminars. Moreover through Online Student Information System, the student can check information like Personal Details, Contact Information, Quota, Academic Status, Registration, Courses (Studies, Dropped, Left Over), Teachers (by whom taught), Class Attendances, Class Proceedings (Quizzes, Assignments, Presentations), Sessional Exams, Final Exams, Projects, Thesis, Results and Marks, Result Cards, Final Transcripts, CGPA Calculation, Scholastic Statuses and Scholarship Statuses.

Library

The library functions as an information resource center for the campus. Students are encouraged to make full use of it. The library houses an open shelf collection that includes books, films, CDs, journals and newspapers. The library staff provides one-on-one training and group instruction. If students need help in finding books, identifying authors or titles, the library staff is always available to assist. The library is open from morning till evening six days a week. Collections of around 22,000 books, 43 journals and magazines have been provided for the students.

The library also provides complete access to 80,000 online books and 33,000 high quality, peer-reviewed journals, conference proceedings and articles through 21 different online databases under the HEC's National Digital Library Program. Students and faculty can access these resources from inside and outside the campus through VPN. The e-books support program allows researchers to access most of the important test and reference books electronically in a variety of subject areas. Apart from this more than 15,000 e-books and video lectures on different subject areas are currently available on the CIIT E-Library which is in an ever-growing/developing stage and will become more and more exemplary/perfect with the passage of time.

This is the first library of Pakistan which developed LIBGUIDES portal for its users. Well trained library professionals provide specialized

reference services to library users particular researchers of CIIT Lahore.

For details about library resources and services, library.ciitlahore. edu.pk, may be accessed.

Students Services Center (SSC) and Job Placement Cell (JPC)

Students Services Center has been established at CIIT Lahore Campus to provide students with a range of services designed to help and assist in adjusting with university life and to achieve potential in terms of their personal, educational, social and professional goals. Highly skilled staff is specialized in providing students with comprehensive solutions to their everyday problems, including their adjustment to university environment, handling of academic as well as peer pressure etc. SSC achieves these goals through implementation of many programs, both within and outside the campus. SSC arranges many co-curricular and extra-curricular activities in order to bring the best out of students and prepare them for the rigors of competition and fair play.

The mission of the Job Placement Cell (JPC) is to facilitate students in finding employment through a variety of services and also assisting them in locating employment opportunities. JPC offers students grooming session for developing job hunting skills, job data bank, resume development, interview sessions and students profile directory.

Common Room for Girls

A comfortable and spacious common room has been established near the Academic Block. This space has been designed to give female students a place to relax, offer prayers, study and have informal discussions in the free time available. Daily newspapers, magazines and periodical journals are available for reading.

Cafeteria

The cafeteria is responsible for catering meals, snacks and beverages for the faculty, staff and students at controlled rates. It has two portions, one for faculty and staff and the other for students.

Health Center

To provide first aid and medical facilities to students and faculty members, a Health Center has been established near the academic block

under the supervision of a qualified Resident Medical Officer.

Mosque

A central mosque located between academic building and boys' hostel provides a serene facility for prayers, including Juma congregation.

Extra-Curricular Activities

CIIT Lahore Debating Society

CIIT Lahore Debating Society is a student run society that aims to promote communication, analytical and team working skills important for the future career growth of the students. It aims to include members from all disciplines and to create a more diverse population of students participating in the rational exchange of ideas, representing CIIT Lahore at various inter-university debating formats.

Attrayant Community

The aim of the society is to organize all sorts of social services and co-curricular activities. Among the social services Attrayant Community facilitates

charity collection, fund collection and helping the students. With its motive of "Together We Can"Attrayant society believes in helping and promoting new talent. Co-curricular activities encompass different sports and quiz competitions, debates and seminars.

Islamic Cultural Society

The purpose of the society is to promote our religious culture through Islamic events such as naat and quirat competitions, Islamic seminars, millad etc. The society looks forward to enlighten the young minds and souls of the students.

CIIT Lahore Music Society

CIIT Lahore Music Society is a platform providing an opportunity to the rising talents in the field of music. Every semester the society organizes talent hunts to explore the upcoming vocalists, musicians, bands, and performers.

CIIT Lahore IT Society

The idea behind CIIT Lahore IT Society is to teach and bringing awareness to students about the latest technologies, to improve their IT knowledge polishing their skills and conducting workshops, seminars and competitions inviting IT professionals.

a nutshell is a newest addition. The pages of the magazine depict the essence of artistic and academic abilities harboured by the students of Lahore. Newsletter is a semester wise output that focuses on day-to-day milestones reached during each semester. It also highlights various events related to academic and extra-curricular activities.

Seminars

One of the key features of education at CIIT is a visionary approach of constantly providing practical exposure to the students regarding the course contents. To achieve this objective, guest speakers are invited to the campus to share their experiences.

Sports Society

The Sports Society organizes competitions in cricket, football, table tennis, badminton, basketball, chess and athletics. The Society facilitates both male and female students' participation in the sports events.

COMSMAG

An annual magazine reflecting the whole academic year activities in

Celebrating Success

Since its inception CIIT Lahore has produced 6,855 graduates. So far, 16 convocations have been organized.

Lahore Convocation

Year	Graduates
2004	112
2006	286
2007	861
2008	455
2009	277
2010	1,121
2011	966
2012	1,365
2013	1,031
2014	381
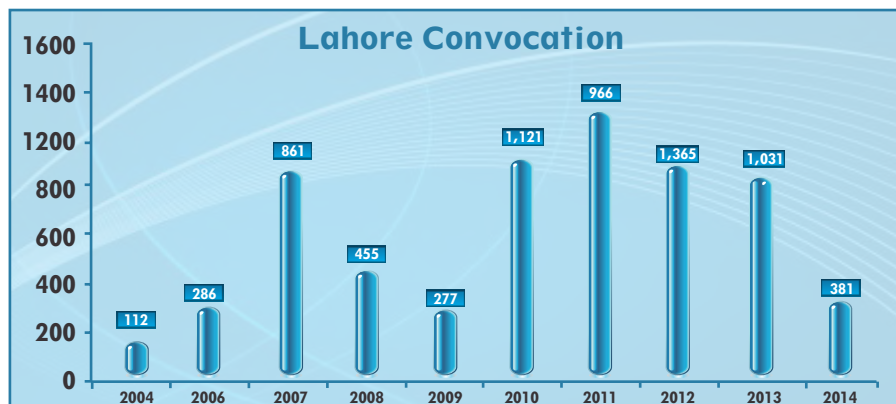
Attock Campus

History

April 04, 2004 was a historic day for the residents of Attock city when a new Campus of the CIIT was launched, to make it possible for the students of area to take advantage of the opportunities of state-of-the-art education at their doorstep. The event was important for both CIIT and Attock city because the dream of an IT institute was a distant dream come true. CIIT's presence in Attock has ensured the availability of professional academic skills not only to the locals of Punjab but also the adjoining areas of Khyber Pukhtoonkhawa. It throws open an opportunity to the city of Attock becoming a hub of burgeoning jobs and business ventures entirely on its own strength in the near future.

The Attock Campus has gained a commendable reputation in a short time. Attock's good teaching reputation ensures that brilliant academicians feel honoured to work here. This subsequently enables our academic departments to offer innovative and exciting teaching environment, led by experts at the cutting edge of their varied specializations. Currently, more than 1350 students are enrolled in different degree programs.

Academic Programs

The following undergraduate programs are being offered at Attock Campus:

Bachelor of Science in:

Business Administration	BS(BA)
Computer Engineering	BS(CE)
Computer Science	BS(CS)
Electrical Engineering	BS(EE)
Electrical (Power) Engineering	BS(EPE)
Software Engineering	BS(SE)
Telecommunication and Networking	BS(TN)

Bachelor of:

Business Studies	BBS

Master of:

Business Administration (Executive, 2 Years)	MBA(Exe)
Computer Science	MCS
Mathematics	M.Sc (Math)
Public Administration	MPA

Facilities

Higher education in emerging fields requires huge investment in infrastructure and facilities that are made available to achieve the international standards of education. Despite its young age, the campus has arranged adequate resources to facilitate the students, teachers and staff members. The campus is continuously processing and is making addition to its existing resources.

Lecture Rooms

All 28 lectures rooms are fully furnished, well equipped and well maintained. All modern teaching and learning aids are provided, with seating capacity in sufficient numbers to accommodate students.

Library

The library is airy, well lighted and provides an ideal place for quiet study and has around 6,500 books. Networked PCs provide access to a wide range of online journals, databases, CDs and library catalogues. The library's holdings are chosen mainly to support teaching and research on the Campus, but they also include some general books for leisure reading.

The library is also providing digital and e-library facilities by making available the access to more than 33,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 27 different online databases under the HEC's National Digital Library Program. Students and faculty can access these resources from inside and outside the campus through IP address and VPN respectively. At present access through Virtual Private Network (VPN) is only available to senior faculty. Later on this facility would also be available for the use of students as per the policy of CIIT. The Library is also giving access to around 80,000 online books through 13 different databases that have also been made available through the HEC's

National 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. More than 15,000 e-books on different subject areas are also currently available on the CIIT E-Library which is in ever-growing/ developing stage and will become more and more exemplary/perfect with the passage of time.

Computing Network

On campus, every student is assigned a computer account and work space, allowing access to central computing facilities. The open access computers are connected to the campus network and to the internet. Computing, printing and technical assistance are available throughout the week. The computing service web page also provides useful information to make good use of computing facilities.

Mosque

Prayers are held at our campus Mosque regularly. The sound of the 'Azan' adds a sobriety to our Campus atmosphere.

Cafeteria

A proper cafeteria has been set up where quality eatables are made available for faculty and students at reasonable rates throughout the day.

Transport

CIIT Attock provides pick and drop services to facilitate the students and employees. Six vehicles have been arranged to provide this service between campus and surrounding area/inner city on subsidized rates.

Hostels

The campus provides hostel facility for both male and female students separately and accommodates 350 males and 50 females. The accommodation is available on first-cum-first-serve basis.

Common Room for Girls

A comfortable and spacious common room has been made available in the Academic Block. This space has been designed to give female students a place to relax, offer prayers, study and have informal discussions in free time available. Daily newspapers, magazines and periodical journals are available for reading.

Laboratories and Network Department

An electronics lab equipped with latest test and measuring instruments / equipment has also been established at CIIT Attock. The LAN of CIIT provides high-speed Internet connectivity, printing and data storage facility. There are four general purpose computer laboratories, one project lab and three Electrical Engineering laboratories for the students. The laboratories are fully equipped with latest computers and with all the necessary facilities. All the laboratories are available throughout the week. Student Help Desk is always ready to provide friendly and expert guidance, so that students can make best use of available resources.

Along with Computer Laboratories CIIT Attock Campus has also established state of art Electrical Engineering Laboratories like Electric Machine Lab, Electric Measurement and Instrumentation Lab, DLD/MP Lab, Electronics Lab, Power Electronics Lab, Control Lab, Communication Lab VLSI, DSP Lab and Power Transmission Lab.

The Network Department is providing campus wide information & communication technology service, including but not limited to the Internet access. The Network Department is also providing corporate level technical consultancy to banks and various government department of district Attock. The Attock Campus was declared as a Cisco Local Academy in 2007. As a CISCO Local Academy the CIIT Attock is offering Cisco Certified Network Associates (CCNA) certification to its students. The program on the whole has presented a unique blend of advanced theoretical as well as practical sessions via latest interactive course curriculum.

Extra Curricular Activities

Outdoor Sports Facilities

Among all its campuses only Attock Campus has Cricket Ground of international standard and Attock Campus has an honour to organize 1st Inter-campuses T-20 Cricket Tournament in March 2012. In 2013 Attock Campus extended its outdoor sports facilities by establishing foot ground, multipurpose court for Volley Ball and Tennis.

Indoor Sports Facilities

An indoor gym has been established for the faculty and students of CIIT

Attock Campus which is equipped
with state of art exercise

Attock Convocation

Year	Value
2006	47
2007	65
2010	227
2011	93
2012	69
2013	88
2014	51
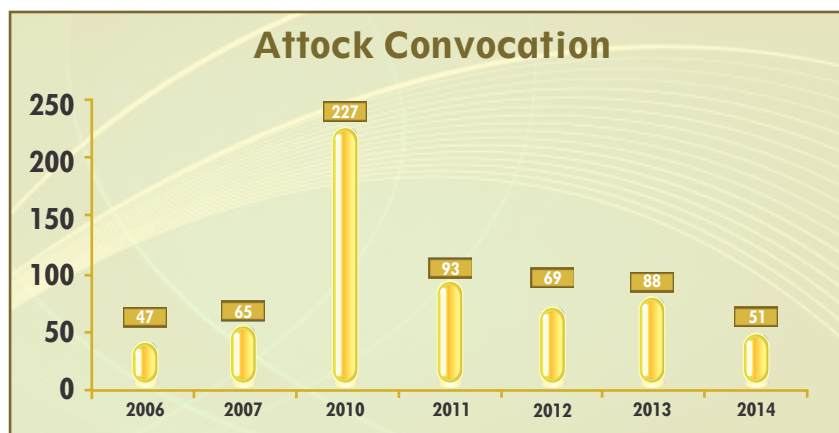
Sahiwal Campus

History

CIIT Campus situated at Sahiwal, a city with a population of about two million, located on the LMQ road, half-way between Lahore and Multan, was formally inaugurated in September 2007. Sahiwal and its surroundings are known for wheat, cotton, sugarcane, maize and rice crops. Main fruits are citrus. Sahiwal is a green and fertile town and agriculture is important to the local economy. Sahiwal is also famous for its buffaloes and milk-rich cows. The establishment of CIIT Campus at Sahiwal besides providing higher education facilities in the highly demanded market oriented disciplines also provides state-of-the-art facility for research and development activities. Sahiwal campus intends to augment the academic and socio-economic role in imparting quality education with the help of cutting-edge technology and contemporary managerial practices.

CIIT at Sahiwal has surfaced as the most vibrant educational institution. It started with the enrolment of 100 students with quite an attractive 30 percent ratio of female students. Currently, the campus has a total enrolment of more than 2,700 students.

Academic Programs

The following undergraduate programs are being offered at Sahiwal Campus:

Bachelor of Science in:

Accounting and Finance	BS(A&F)
Bioinformatics	BS(BI)
Business Administration	BS(BA)
Computer Science	BS(CS)
Mechanical Engineering	BS(ME)
Software Engineering	BS(SE)
Telecommunication and Networking	BS(TN)
Electrical Engineering	BS(EE)

Bachelor of:

Business Studies	BBS

Master of:

Business Administration (Executive, 2 Years)	MBA(Exe)
Computer Science	MCS
Mathematics	M.Sc(Math)

Considering the need of educated professionals in the much-neglected fields of agriculture and entrepreneurship, Sahiwal Campus is also considering to introduce specialization in agri-business and entrepreneurial management for its business administration students.

Facilities

Campus

The purpose built campus is being constructed on 36 acres of land with a covered area of 73,745 sq ft. currently, there are 22 spacious lecture rooms equipped with all the modern facilities like multimedia, air conditioners and modern teaching aids.

Library

CIIT Sahiwal hosts a reference library with a more than 9,800 books, 12 journals and a number of CDs. It has a rich collection of latest publications on all the business related subjects. It is equipped with all the latest titles and issues, covering broad range of subjects. The library subscribes to both local and foreign newspapers and national and international periodicals, journals and magazines. In addition to latest issues of newspapers, the back dated issues of newspapers and magazines are also available on request. Library has a wide and diversified range of helping material for faculty members and students.

The library is also providing digital and e-library facilities by making available the access to more than 33,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 27 different online databases under the HEC's National Digital Library Program. Students and faculty can access these resources from inside and outside the campus through IP address and VPN respectively. At present access through Virtual Private Network (VPN) is only available to senior faculty. Later on

this facility would also be available for the use of students as per the policy of CIIT. The Library is also giving access to around 80,000 online books through 13 different databases that have also been made available through the HEC's National 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. More than 15,000 e-books on different subject areas are also currently available on the CIIT E-Library which is in ever-growing/ developing stage and will become more and more exemplary/perfect with the passage of time.

Computer Laboratories

Sahiwal Campus offers the modern computing facilities with the latest operating systems and software packages. Six state-of-the-art computer laboratories have been established. Students are provided with facility of free internet access across the campus. Computer lab is equipped with latest multimedia facilities like multimedia projectors, scanner, CD writers and printers.

Lecture Rooms

All Lecture rooms are fully air-conditioned and equipped with Multimedia to provide peaceful atmosphere for studies.

Hostels

CIIT Sahiwal is providing furnished hostel facilities to 200 male and 120 female students where their stay is made quite comfortable. It caters for all those facilities that a student needs for a decent living. Keeping the safety, security and comfort of students in view, an effort has been made to allow students to fully concentrate on their studies on the one hand and ensure peace of mind for their parents living far away from them, on the other hand. Facilities provided at the hostel include clean and spacious rooms on sharing basis by two/three students, a dining hall equipped with requisite facilities, a recreation room equipped with TV, newspapers and internet, games facilities like carom-board, table tennis and badminton, adequate security facility, study room facility for fully concentrating on studies with conducive environment.

Extra-curricular Activities

CIIT Sahiwal provides numerous opportunities to its students for grooming them mentally and physically. These facilities include formation of clubs/societies which organize a wide range of different
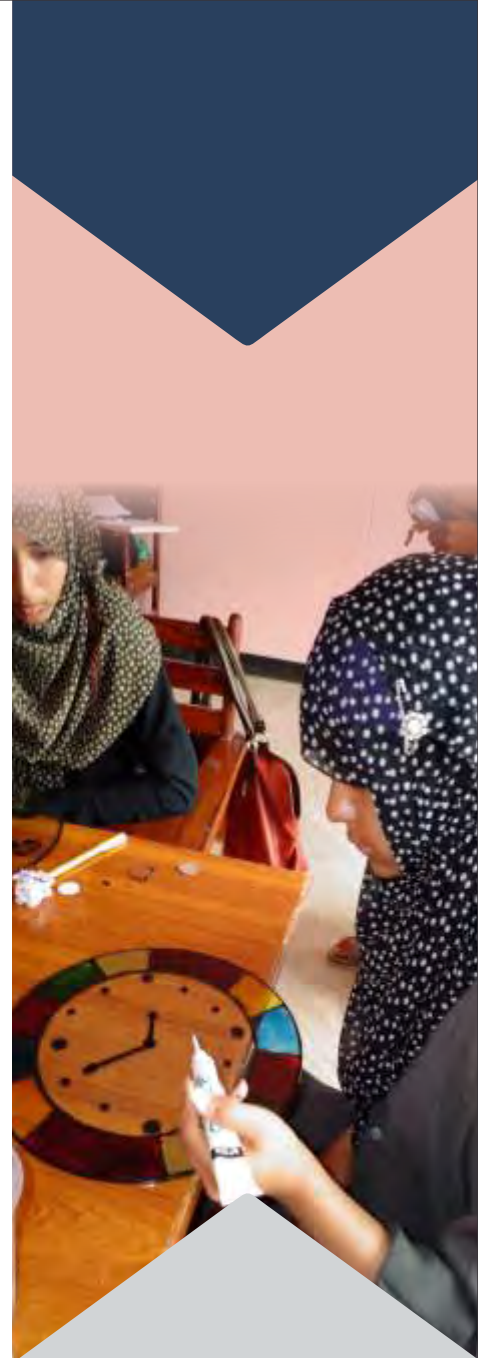
extra-curricular activities like adventure club, sports club, magazine committee, debating society, and many more.

Office of Development (OoD), CIIT Sahiwal

Following major segments are being looked after under Office of Development, CIIT Sahiwal:

1. Student Financial Aid Office (SFAO)

Student Financial Aid Office (SFAO) facilitates the needy and talented students to get different Scholarships as CIIT is committed to ensure that no one is denied the opportunity to pursue higher education merely due to his/her inability to pay the fees. With this objective in mind, CIIT launched its first scholarship program (CIITEF) from its Endowment Fund and continues to expand the program with more beneficiaries joining the group each semester.

Management Committee of the Fund felt the need of scholarships for young and talented students whose parents do not afford to pay the fee of universities like CIIT. Several Scholarships cover the entire semester fee (fully funded);

even stipend is also being provided to students every month.

2. Alumni Association

The main objectives of the organization, is to provide a platform for the Alumni to communicate with the institution by maintaining a complete database furthermore, successfully passed out alumni are get registered online so that alumni will be able to interact with the association.

Job portal has also been established for the alumni, job opportunities are posted for alumni to apply and to get better career etc.

Career Development Cell

CIIT Sahiwal has a Career Development Cell established since September, 2007. This cell fosters liaison between academia and industry. Career development cell facilitates the students in internship and job placement. This cell also works for the training and personality development and is proactively engaged in arranging different seminars, workshops and fairs for the students in collaboration with public and private sector organizations.

CIIT, CDC (Career Development Cell) has an important role to play in student's future and is an indispensable pillar of strength for the Institute. CDC

continuously strives to help students in pursuing their career goals by acquiring employment-seeking skills and ultimately to attain desired employment. This is accomplished through building a strong partnership amongst students, faculty members and industries. Besides, CDC works with faculty members, department heads and administration to integrate career planning with academic curriculum.

CISCO Labs

COMSATS CISCO Academy Sahiwal is the first CISCO Academy in Sahiwal region. Academy has started its first CCNA program in June 2012. This is a great opportunity for students of not only COMSATS but many other institutions of Sahiwal and surrounding areas.

COMSATS CISCO Academy is delivering the range of services and support needed to grow tomorrow's global workforce. Our main aim is to equip our students with both network theories and practical in such a way that after completion of course our students can accelerate their career.

The lab is equipped with state of art equipment (CISCO 2800 series routers and switches), high speed computers, high speed Wi-Fi internet facility and online access of CISCO Network Academy curriculum.

Celebrating Success

Since its inception, CIIT Sahiwal has produced 788 graduates and so far 07 convocations have been organized.

Sahiwal Convocation

Year	Graduates
2010	218
2011	147
2012	165
2103	183
2014	75
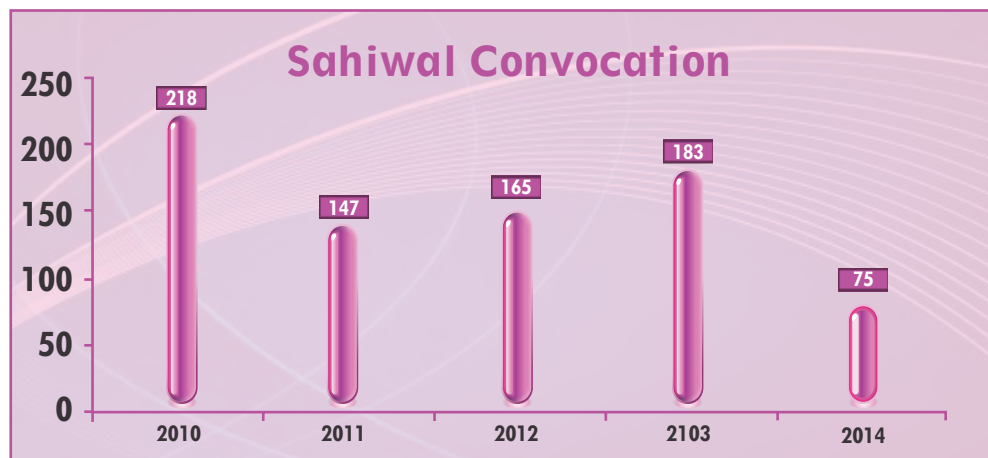
Vehari Campus

History

Vehari is the center place for diverse socio-economic life in the region. Vehari District was established in 1976. It has an area of 4,373 sq. km and an estimated population of 3.5 million. The district shares its boundaries with Bahawalnagar and Bahawalpur districts on the Southern side, Pakpattan district on the Eastern, Lodhran district on the Western and Sahiwal and Khanewal districts on the Northern side.

Established in 2008, Vehari campus is one of the fast growing campuses of the COMSATS Institute of Information Technology. Vehari campus started with 45 students enrolled in one programme and now it has more than 900 students, 100 Faculty Members, 12 programs and three functional academic blocks. Stretched over an area of 52 acres, the campus is an excellent avenue to provide quality education to the students. CIIT Vehari is constantly making efforts to provide students the quality education and personality development to transform its students into capable professionals, sensible intellectual and responsible citizens. CIIT Vehari aims to instil a research culture for economic human Resource Development in this region driven by market forces, technological revolution and globalization.

Academic Programs

The following undergraduate programs are being offered at Vehari Campus:

Bachelor of Science in

Accounting and Finance	BS(A&F)
Business Administration	BS(BA)
Computer Science	BS(CS)
Software Engineering	BS(SE)
Telecommunication & Networking	BS(TN)
Environmental Sciences	BS(ES)

Bachelor of:

Business Studies	BBS

Master of:

Computer Science	MCS
Business Administration (Executive, 2 Years)	MBA(Exe)
Economics	Msc(Eco)
English	MA(Eng)

Facilities

Computer Laboratories

Vehari Campus is equipped with four state-of-the-art general purpose computer Laboratories with most updated computer systems and operating environment. Also an electronic laboratory and CISCO/Telecom laboratory with original hardware and software is serving the technical needs of the students. Vehari Campus contains first local CISCO academy of the southern Punjab. Our computer networks connect internally at LAN/WAN WiMax having extended fiber-optic broadband connected with 4Mbps bandwidth for students and faculty members. Modern computer accessories like LCD screens, printers, scanners, DVD writers, multimedia projectors, digital camera are also available for the students. To enhance the efficiency of student and faculty/staff, computer note books/laptops are also provided. To maintain an uninterrupted working environment, network is backed with system of high-tech UPS, and 100KVA generator.

Library

Library is expected to be the treasure-house of knowledge. The campus has procured more than 4,500 books and DVDs/CDs on various disciplines and contemporary issues. It subscribes to both top national and international newspapers. Library has diverse range of reference material available for both faculty and students. Library has separate R&D section equipped with its own computing facilities.

The library is also providing digital and e-library facilities by making available the access to more than 33,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 27 different online databases under the HEC's National Digital Library Program. Students and faculty can access these resources

from inside and outside the campus through IP address and VPN respectively. At present access through Virtual Private Network (VPN) is only available to senior faculty. Later on this facility would also be available for the use of students as per the policy of CIIT. The Library is also giving access to around 80,000 online books through 13 different databases that have also been made available through the HEC's National 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. More than 15,000 e-books on different subject areas are also currently available on the CIIT E-Library which is in ever-growing/ developing stage and will become more and more exemplary/perfect with the passage of time.

Hostels

Vehari Campus is providing hostel facility to 72 male and 25 female students with furnished hostel that cater for all those facilities that a student needs. With an accessible location of less than two kilometer from the campus, the hostel provides male students an ideal living and study place. Hostel is furnished with dining hall, refrigerator, microwave oven, TV, newspaper and internet/Wi-Fi points to help students augment their research capabilities and meet their assignment deadlines on time. Water coolers and water purifiers have also been installed in the hostels to provide safe drinking water to hostel residents. Mess and procurements are also managed by the students themselves under the supervision of wardens, on purely no profit, no loss basis. A healthy mind resides in a healthy body. Keeping this in context, hostel provides ample facilities for various games and sports. Indoor games like carom board and table tennis are provided in common rooms. Adequate security arrangements are also available for hostel residents. Other hostel facilities include UPS and generator as power backup for power load shedding. A separate girl's hostel is also managed under supervision of female faculty providing all required facilities/ services in main city area which is connected with campus through pick and drop facility.

Extra Curricular Activities

Vehari Campus offers each student a future of significance, not only education of sheer prestige but also provides opportunities to its students

for sprucing them mentally and physically. For this purpose, guilds are made for organizing different extra-curricular activities, like sports club, adventure club, spring gala, the debating society and magazine committee. Thus, student's time at CIIT can never be dull. On the contrary, it is difficult to choose which activity to join. Whatever their level of expertise, they can become involved in any club or society that interests them. In addition, industrial tours are arranged for the students so they may learn how commercial and industrial undertaking works. To build Student Leadership spirit, Campus organised various co-curricular activities including dramas, exhibitions, expos, competitions, debates.

Career Development Cell

All employers induct people who are well-qualified, passionate and interested to work in a challenging environment, who want to achieve targets and take full responsibility. This applies across the board, from large multinational corporations to small NGOs. Studying at Vehari Campus will equip students to demonstrate passion, interest, achievement and responsibility. The specific subject

they study should be one they are passionate about and want to enhance that passion in their practical lives. Vehari Campus established a Job Development Cell (JDC) to assist students for internship and jobs in leading public and private organizations in the country.

Proctorial board is a regulatory body holding responsibility of maintaining discipline among the students and taking necessary corrective measures wherever needed.

Transport

Pick and drop facility is being provided to the students at CIIT Vehari Campus, there are 11 vehicles, for students, teachers and staff on various routes around and within the city. The CIIT Vehari providing the pick and drop facility for students/staff of surrounding areas (Burewala and Gagoo Mandi rout, Karampur and Ludon route   To meet the running cost of University buses a nominal amount is charged from different categories of students and employees.

Mosque

A furnished building total covered area 4,930 sq ft constructed for worship of Allah Al-mighty and offering prayers. The construction of the

mosque was totally financed through donations by the employees and people of Vehari.

Vehari Convocation

Year	Value
2012	75
2013	61
2014	7
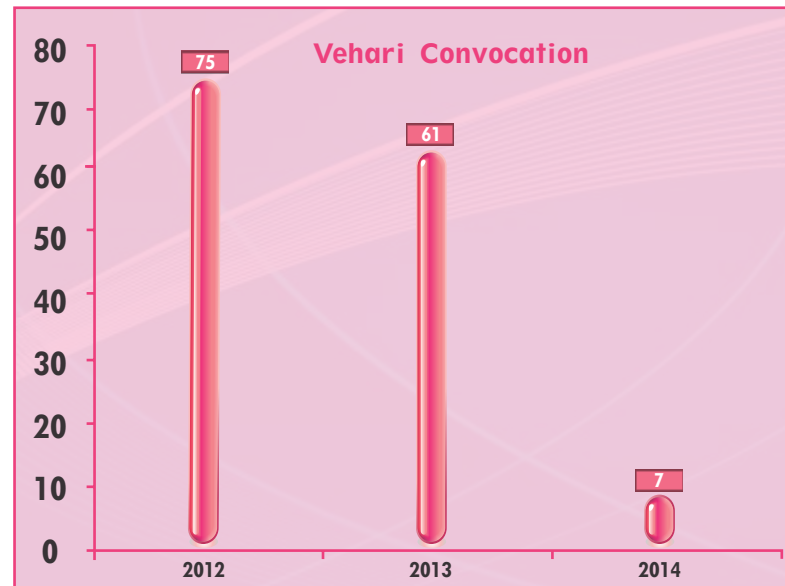
Virtual Campus

The coverage of higher education in Pakistan is extremely low as compared to other countries. Consequently, a huge gap exists between the number of students who have passed higher secondary school and the number of students who are enrolled in universities. Further, studies carried out by Higher Education Commission of Pakistan suggest that a huge number of candidates are registered with universities as private candidates. Due to the lack of governing mechanism in learning process, it has been observed generally that knowledge and skill wise quality of these students is not as good as those of regular students of universities. The globally practiced and best possible

way to improve the quality and coverage of higher education in any country is to provide better learning facilities through distance education.

To increase the approach and availability of top quality benchmark education and teaching experience in country CIIT has taken a step forward by establishing its Virtual Campus (VC). CIIT Virtual Campus aims to enhance the coverage of quality higher education in the country by providing opportunities to those who could not attend universities because of inflexible timings, cost, or cultural barriers. The Virtual Campus is delivering online courses to distance learning students.

The CIIT Virtual Campus (VC) runs web-based student's Learning Management System (LMS), accessible anywhere anytime, to deal with administrative and academic tasks of campus. LMS supports a live collaborative platform which adds value to remote learning, through interactive virtual class rooms and meeting sessions. Therefore CIIT is going a step ahead from conventional asynchronous distance learning modes, currently employed at the

universities of Pakistan. CIIT is producing quality courseware using blended learning approach by combining teacher and their workspace (desktop/ interactive board/presentation). Best of CIIT's senior (mostly PhD) faculty is designated to develop high-definition video contents in our purpose-built studios.

CIIT's Virtual Campus establishment is endorsed by HEC and as a proof of its active role in establishment of ICT facilities for e-learning; CIIT Virtual Campus is given a task to setup Learning Management System (LMS) portals of DDE project partner universities.

History

CIIT has always been very proactive in adapting new technologies and use of IT tools in its teaching and administrative affairs. CIIT Virtual Campus was established in July 2008 and started its regular function in January 2012. The Campus was established in offices, Laboratories and studios located in Islamabad having approximately 20,000 sq. ft. covered area. State-of-the-art servers, dedicated PERN bandwidth, latest audio visual equipment was acquired to setup laboratories, studios and data center.

Virtual campus started its first

academic session in Fall 2012 offering following four undergraduate level degree programs in computer science and management science subjects.

- ► Bachelor of Science in Computer Science (4 Years)
- ► Bachelor of Science in Business Administration (4 Years)
- ► Masters in Computer Science (2 Years)
- ► Masters in Business Administration (3.5 Years)

Delivery Mechanism

CIIT Virtual Campus' mission is to be the institution of choice for distant and online education for all and intends to get there by providing exceptional services to the learners, through modern teaching techniques. Courseware based on scheme of studies of CIIT approved programs is developed by subject specialists in digital format. The digital learning contents are then presented to students via an online web based learning management system moderated by dedicated subject tutors working full time at CIIT virtual campus. Students enrolling in CIIT VC are facilitated with study centers situated nationwide. These study centers have computer laboratories equipped with the facilities of video conferencing, broadband internet and printing etc. Proctored mid-terms and terminal examinations are conducted at selected locations using the well-established National Testing Service (NTS) infrastructure.

Academic Programs

Academic programs offered at CIIT Virtual Campus follows similar nomenclature as of programs offered at regular campuses. The admission and assessment policies are also aligned with directives of CIIT Principal Seat. Admissions in virtual campus are offered twice a year in Spring and Fall sessions. Applications for offered programs are invited through a central online admission system. NTS admission test in respective category is conducted at selected study centers.

Undergraduate Programs being offered for 2014-2015

Bachelor of Science in Computer Science BS(CS)	8 semesters / 4 years
Bachelor of Science in Business Administration BS(BA)	8 semesters / 4 years
Bachelor of Science in Software Engineering BS(SE)	8 semesters / 4 years

Bachelor of Business Studies (BBS)	4 semesters / 2 years
Masters in Computer Science (MCS)	4 semesters / 2 years
Master of Arts in English MA (Eng)	4 semesters / 2 years
Masters in Public Administration (MPA)	4 semesters / 2 years
Master of Science in Mathematics MSc (Math)	4 semesters / 2 years
Associate Degree in Education (ADE)	4 semesters / 2 years
Master of Business Administration (Executive, 2 Years)	4 semesters / 2 years

Lectures

CIIT VC offers online courses via asynchronous learning sessions in which students access and study course material at their convenience at home or wherever they choose reading, watching or listening to material supplied. Classes are recorded for later replay. Students communicate with the instructor and classmates via email and discussion boards.

Experienced and well qualified faculty from CIIT is selected through academic selection committees for development of coursework. Faculty is required to record required lectures, develop Laboratory sessions, and assessment material for each course. These developed learning contents are made available to students through LMS at the start of each semester.

In CIIT Virtual Campus students will login to LMS to view or download the digitally recorded lectures. Same will also be available at official channel of Virtual Campus at YouTube. You Tube in Pakistan is temporarily blocked, an alternate CIIT video library is available at http://lib.vcomsats.edu.pk/library. Another facility is the provision or digitally recorded lectures in the form of Video DVDs and USB drive which is mailed to the students at the start of semester. These video lectures provide the next best thing from actually being present in the lecture. The video screen consists of the topic, lecture contents, and lecture slides. Students will also have access to an online forum, where their queries will be answered by teaching staff at VC.

In addition to asynchronous mode of learning and content delivery, students will also have minimum of 5 scheduled synchronized virtual meeting sessions with course tutor via video conferencing system. Students can take part in this activity from home or

can use study centers for this purpose. This activity at times is coupled with sessional exams and quizzes. This will improve the quality of learning and assessment through synchronous element of student teacher interaction.

Learning Management System

Online courses are based around the Learning Management System (LMS), which is the software system for the e-learning. VC LMS provides the student course website where student can view course information like course overview, FAQs, glossary, web links, related downloads, scheme of study, video lectures, schedule live sessions and course contents. Students take their quizzes, submit assignments and participate in discussion boards with tutor or students from LMS.

LMS system has following strengths:

- ➤ Easy access to LMS 24 hours a day, 7 days a week, 365 days a year.
- ➤ Study at a time and place that is convenient to you.
- ➤ Expertise of renowned faculty, accessible nationwide.
- ➤ World class statue of the art lectures in high definition

audio and video.
- ➤ Top quality courseware using blended learning approach.
- ➤ Collaborative platform for peer and tutor moderated learning activity.
- ➤ Student profiling, feedback and access to quick and reliable reporting.

Tutors

CIIT VC facilitates its students by assigning each course offered in every program to a subject tutor. Tutor is responsible to answer all academic queries of student. These tutors work in close coordination with content developer subject specialist. Tutors are responsible for managing online Laboratory sessions; monitor the progress of student, initiating moderated subject discussions, marking of quizzes, assignment and terminal exams.

Study Centers

Study Center means a center maintained or recognized by the CIIT VC for the purpose of advising, counseling or for rendering any other assistance required by the students in context of distance education. In the Online Distance Learning System, Study Centers play an important role since they act as focal contact points

for distance learners.

CIIT Virtual Campus Study Center is envisioned to be a state of the art learning facility with an established ICT infrastructure and strong support system. A study center will facilitate CIIT's academic and administrative outreach and represent Virtual Campus in the targeted area. At present approximately 150 CIIT VC affiliated study centers are working in all major districts of Pakistan having presence in all provinces of country. Details of centers are available on http://www.vcomsats.edu.pk/study centers.

Online Helpdesk

COMSATS Virtual Campus recognizes that an effective complaints management system will not only improve student service but will also assist in the identification of systemic and re-occurring administrative problems. We welcome all forms of feedback, including complaints, on its services.

Online Helpdesk is developed to assist the student to improvise their complaints, inquiries and suggestion to the right section at the right time and get instant response. http://helpdesk.vcomsats.edu.pk/
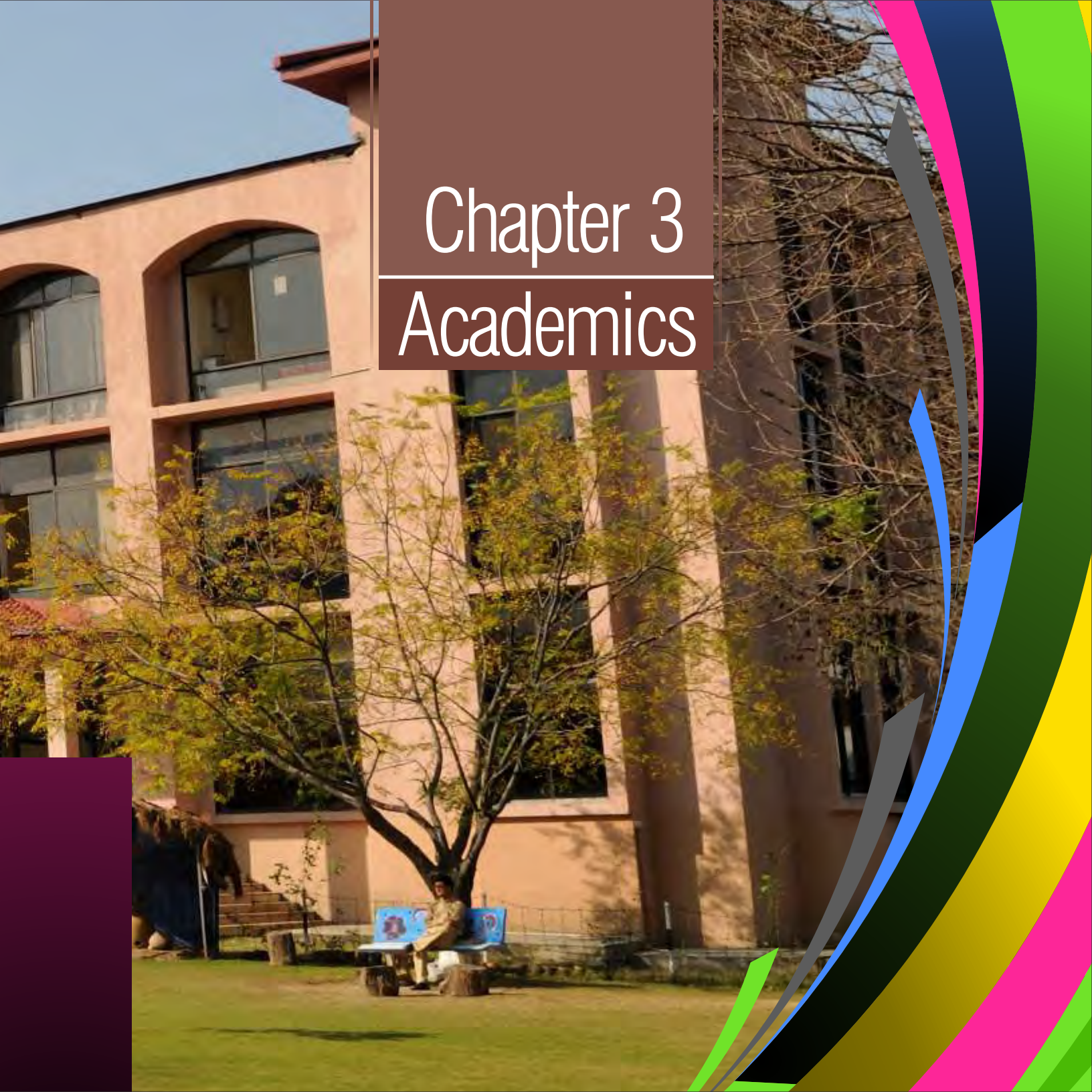
Student Call Center

The Student Call Center will help student on queries such as

- ➤ Admission Process
- ➤ Career Opportunities
- ➤ Academic Programs Being Offered
- ➤ Registration
- ➤ Student Orientation
- ➤ LMS Training
- ➤ Fee

Chapter 3
Academics

Section-I: Faculties, Departments and Programs

Faculty of Information Sciences and Technology

The Faculty of Information Sciences and Technology is comprised of Department of Computer Science and Health Informatics Unit.

Department of Computer Science

Department of Computer Science at CIIT was established in 1999 at Islamabad Campus and is now proud of its excellent facilities and internationally qualified faculty members along with its presence at all Campuses of CIIT. It is imparting competitive skills in effective development and application of modern technology to groom its students as excellent programmers, outstanding researchers, extra ordinary analysts and innovative designers. It is committed to equipping and imparting our students with advanced competencies required for managing the growing needs of science and technology, especially computer sciences, in almost every professional field today.

Academic Programs Offered

Following undergraduate programs are being offered by the Department of Computer Science:

Bachelor of Science in Computer Science: BS (CS)

Entry Requirements
- Intermediate or equivalent with minimum 50% marks, from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 semesters; 6 years

Credit Hours Requirements
- Minimum 133 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Islamabad, Abbottabad, Wah, Attock, Sahiwal, Vehari, Virtual Campus, Lahore

Program Information

Bachelor of Science in Computer Science program at CIIT focuses on instilling comprehensive Computer Science knowledge among students and exposing them to issues involved in the development of scientific, educational and commercial applications of computer science. The Program lays emphasis on an integrated approach to meet the hardware and software needs of the industry. The purpose of this program is to produce graduates with a sound knowledge of computer science, contemporary technologies, and professional skills.

Bachelor of Science in Telecommunication and Networking: BS (TN)

Entry Requirements
- Intermediate or equivalent with minimum 50% marks, from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 semesters; 4 years
- Maximum: 12 semesters; 6 years

Credit Hours Requirements
- Minimum 134 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Abbottabad, Attock, Sahiwal, Vehari

Program Information

Bachelor of Science in Telecommunication and Networking Program is aimed at catering the human resource needs in the fast growing industry of telecommunications and networking. This program focuses on the application of technology solutions to business problems in telecom service sector and it requires additional domain knowledge in communication and networks, along with a strong mathematical background.

Bachelor of Science in Software Engineering: BS (SE)

Entry Requirements
- Intermediate or equivalent (Mathematics) with minimum 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semester; 6 years

Credit Hours Requirements
- Minimum 139 Cr. Hrs

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Islamabad, Abbottabad, Wah, Attock, Sahiwal, Vehari, Virtual Campus, Lahore

Program Information

Bachelor of Science in Software Engineering Program at CIIT bridges gap between computer science theory and its practical applications using different technologies and tools. Software Engineering discipline focuses on imparting the practical knowledge and technical training which should enable students to harmonize theory with practice, concepts with applications, and problems with solutions.

This Program is preparing professionals having a mastery of software development principles, theory, practice, and process to develop high quality software applications and is producing future agents of change, individuals who will be leading and improving the software industry and state of the art practices in the coming years. The graduates of this Program will have grounding in communication, mathematics, sciences, cultural, ethical, and social issues that influence and affect to the development of high quality software systems.

Master of Computer Science: MCS

Entry Requirements
- Bachelor Degree (14-Year) or equivalent with minimum 50% marks, from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 4 Semesters; 2 years
- Maximum: 6 Semesters; 3 years

Credit Hours Requirements
- Minimum 73 Cr. Hrs

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Wah, Attock, Sahiwal, Vehari, Virtual Campus

Program Information

Master of Computer Science Program at CIIT has been designed for those students who wish to improve their knowledge of recent developments in Information Technology and to deepen their understanding in computer science. The qualified faculty and excellent facilities at CIIT ensure that students have a solid technical grasp of the subject that enables them to apply this knowledge in practical work settings. The graduates of this Program are in great demand in all areas related to Information Technology in national and international markets, leading institutions and organizations in industry, academia and research based organizations.

Faculty Members
Islamabad Campus

Professors
- Dr. Sajjad Mohsin, PhD, Muroran Institute of Technology, Japan

Associate Professors
- Dr. Nasro Min-Allah, PhD, Graduate School of Chinese Academy of Sciences, Beijing, China
- Dr. M. Manzoor Ilahi Tamimy , PhD, Graduate

School of Chinese Academy of Sciences, Beijing, China
- Dr. Masoom Alam, PhD,University of Innsbruck, Austria

Assistant Professors

- Dr. Muhammad Asim Noor, PhD, Johannes Kepler University, Linz, Austria
- Dr. Malik Najmus Saqib, PhD, Technical University, Vienna, Austria
- Dr. Majid Iqbal Khan, PhD, University of Vienna, Austria
- Dr. Sadaf Tanvir, PhD, University of Grenoble, France
- Dr. Naveed Ahmed, PhD, Cambridge University, UK
- Dr. Mansoor Ahmed Awan, PhD, Vienna University of Technology, Austria
- Dr. Farhana Jabeen, PhD, Manchester University, UK
- Dr. Abid Khan, PhD, Harbin Institute of Technology, China
- Dr. Iftikhar Azim Niaz, PhD, University of Tsukuba, Japan
- Dr. Muzafar Khan, PhD, Universiti Teknologi Petronas, Malaysia
- Dr. Amir Hayat, PhD, Graz University of Technology, Austria
- Dr. Sheikh Zia ud din, PhD, Asian Institute of Technology, Pathum Thani, Thailand
- Dr. Amir Hanif Dar, PhD, Beijing Institute of Technology, China
- Dr. Fatima Ashraf, PhD, Universiti Utara Malaysia, Malaysia
- Dr. Rafi Ullah, PhD, PIEAS, Nilore, Islamabad, Pakistan
- Dr. Ahmad Raza Shahid, PhD, University of York, UK

- Dr. Yasir Faheem, PhD, University of Paris, France
- Dr. Asad Ali Safi, PhD, Technical University of Munich, Germany
- Dr. Ghufran Ahmed, PhD, Muhammad Ali Jinnah university, Islamabad
- Dr. Munam Ali Shah, PhD, University of Bedfordshire, UK
- Dr. Ubaid Abbasi, PhD, University of Bordeaux, France
- Dr. Malik Ahmad Kamran, PhD, Vienna University of Technology (TU-Vienna), Austria
- Dr. Shehla Abbas, PhD, University of Bordeaux, France

Beside 14 Assistant Professors, 35 Lecturers and 15 Research Associates/Teaching Associates are also associated with the department.

Health Informatics Unit

Advisors
- Dr. Shafaat A. Khan, MS, New York Medical College, USA

Assistant Professors
- Dr Abid Hussain, MS CIIT Islamabad, Pakistan
- Dr Seema Rizvi, MS, CIIT Islamabad, Pakistan

Lahore Campus

Professors
- Dr. Syed Asad Hussain, PhD, Queen's University Belfast, UK
- Dr. Zulfiqar Habib, , PhD , Kagoshima University, Japan

Advisors
- Dr. Javaid Sikandar Mirza, PhD, University of Salford, UK

Associate Professors

- Dr.Ghulam Rasool, PhD, TU Ilmenau, Germany
- Dr. Muhammad Umair, PhD, VrijeUniversiteit Amsterdam, Netherlands

Assistant Professors

- Dr.Mudasser Naseer, PhD, BeihangUniversty, Beijing, China
- Dr. Muhammad Atif, PhD, Eindhoven University of Technology, Netherlands
- Dr. Muhammad Adnan Hashmi, PhD, University Pierre and Marie Curie, France
- Dr. Muhammad Humayoun, PhD, University of Grenoble, France
- Dr. M. Salman Ahmad Khan, PhD, Graz University of Technology Austria
- Dr. Rao Adeel Nawab, PhD, University of Sheffield, UK
- Dr. Sameer Ahmad, PhD, University Blaise Pascal, Clermont-Ferrand, France
- Dr. Syed Asim Ali, PhD, University of Paris, France
- Dr. Tabbasum Naz, PhD, Vienna University of Technology, Austria
- Dr. Atif Manzoor, PhD, Vienna University of Technology, Austria
- Dr. Muhammad Intizar Ali, PhD, University of Vienna, Austria
- Dr. Saqib Rasool Ch, PhD, Brunel University, UK
- Dr. Hamid Turab Mirza, PhD, Zhejiang University, China
- Dr.Ijaz Ahmed, PhD, University of Madeira, Portugal
- Dr. Muhammad HasanainCh, PhD, Asian Institute of Technology, Thailand
- Dr. Safee Ullah Chaudhary, PhD, Korea Advanced Institute of Science and Technology, South Korea

- Dr. Saeed Ul Hassan, PhD, Asian Institute of Technology, Thailand
- Dr. Adnan Ahmad, PhD, Massey University, New Zealand
- Dr. Ghulam Mahdi, PhD, University of Mantpelliea, France

Besides, 15 Assistant Professors, 15 Lecturers and 02 Research Associates are also associated with this department.

Abbottabad Campus

Associate Professors

- Dr. Sajjad Ahmad Madani, PhD, Vienna University, Austria
- Dr.Waqas Anwar, PhD, Harbin Institute of Technology, China
- Dr. Khizar Hayat, PhD, Montpellier 2 University, France

Assistant Professors

- Dr. Imran Ali Khan, PhD, GSCAS, China
- Dr. Danish Irfan, Ph.D, Harbin Institute of Technology, China
- Dr. Babar Nazir, Ph.D, University Technology Petronas Malaysia
- Dr. Tasswar Iqbal, Ph.D, Vienna University of Technology, Austria
- Dr. Abbas Khalid, PhD, Lancaster University, UK
- Dr. Eraj Khan, PhD, Lancaster University, UK
- Dr. Muhammad Shahzad Sarfraz, PhD, Asian Institute of Technology, Thailand
- Dr. Rafi us Shan, PhD, Lancaster University, UK
- Dr. Ahmed Din, PhD, Politecnico di Torino, Italy
- Dr. UsamaIjazBajwa, PhD, CASE, UET Taxila, Pakistan

- Dr. Fiaz Gul Khan, PhD, Politecnico di Torino, Italy
- Dr. Qadeer Baig, PhD, University of Grenoble, France
- Dr. Zia Ur Rehman, PhD, PIEAS, Pakistan
- Dr. Kashif Zia, PhD, University of Linz, Austria
- Dr. Shahid Raza, PhD, Mälardalen University, Sweden

Besides, 08 Assistant Professors, 18 Lecturers are also associated with this department

Wah Campus

Associate Professors
- Dr. Ehsan Ullah Munir, PhD, Harbin Institute of Technology, China
- Dr. M. Wasif Nisar, PhD, Graduate School of Chinese Academy of Sciences, Beijing, China

Assistant Professors
- Dr. Zareen Mehboob, PhD, University of Manchester, UK
- Dr. Nadir Shah, PhD, Beijing University, Beijing China
- Dr. WaqarMehmood, PhD, Innsbruck University, Austria
- Dr. Tariq Umar, PhD , Lancaster University, UK
- Dr. Farrukh Zeeshan Khan, PhD, Vienna University of Technology, Austria
- Dr. Mohammad Kamran, PhD, FAST University Islamabad
- Dr. Shafqat Ali Shad, PhD, University of Science and Technology of China
- Dr. Muhammad Sharif, PhD, CIIT Islamabad, Pakistan

Besides, 09 Assistant Professors, 10 Lecturers and 02 Research Associates are also associated with this department.

Attock Campus

Assistant Professors
- Dr. Farman Ali Khan, PhD, Vienna University of Technology, Austria
- Dr. Qasim Khan, PhD, Norwegian University of Science and Technology, Norway
- Dr. Adnan Sohail, PhD, Vienna University of Technology, Austria
- Dr. Saqib Iqbal, PhD, University of Huddersfield, UK

Besides, 05 Assistant Professors and 09 Lecturers are also associated with this department.

Sahiwal Campus

Associate Professors
- Dr. Amjad Farooq, PhD , University of Engineering and Technology, Lahore, Pakistan

Assistant Professors
- Dr. Javed Ferzand, PhD, Graz University of Technology, Austria
- Dr. Sadia Aziz, PhD, Wuhan University of Technology, China
- Dr. Qaisar Abbas, PhD, Huazhong University of Science and Technology, China
- Dr. Syed Khuram Shahzad, PhD, Graz University of Technology, Graz, Austria

Besides, 09 Assistant Professors, 15 Lecturers and 02 Research Associates are also associated with the department.

Vehari Campus

Associate Professors
- Dr. Ziauddin, PhD, Gomal University, D.I.K, Pakistan
- Dr. Shaukat Iqbal, PhD, GIKIEST, Topi, Pakistan

- Dr. Muhammad Imran, PhD, Government College University Lahore, Pakistan
- Dr. Muntazim Abbas Hashmi, PhD, Government College University, Lahore, Pakistan

Besides, 02 Assistant Professors, 10 Lecturers and 02 Research Associates are also associated with this department.

Faculty of Science

The Faculty of Science is one of the largest faculties of CIIT and comprises of nine departments including, Department of Biosciences, Department of Physics, Department of Meteorology, Department of Pharmacy, Department of Environmental Sciences, Department of Earth Sciences, Department of Chemistry, Department of Mathematics and Department of Statistics.

Department of Biosciences

The field of Biosciences has gained immense importance with the development of the Human Genome Project and modern technologies and many developing countries are rapidly expanding their Biosciences base. There is an acute requirement of continuous training of the scientists and researchers in the rapidly evolving disciplines of Microbiology/ Immunology, Molecular Biology/Biochemistry, Molecular Genetics, and Developmental Biology and Bioinformatics. In view of this, CIIT took the initiative by establishing the Biosciences department in 2003, and introducing a 4 year degree program in Bioinformatics at Islamabad, and added another undergraduate degree in Biosciences from 2007. CIIT in this regard was the first institution to offer such programs in and around Islamabad.

The Department of Biosciences has gathered different interdisciplinary/ inter-departmental groups comprising life scientists, computer scientists and mathematicians, who collectively take part in the teaching and training program leading to the degrees in Bioinformatics and Biosciences.

Academic Programs Offered

Following undergraduate programs are being offered by the Department of Biosciences:

Bachelor of Science in Bioinformatics: BS (BI)

Entry Requirements

- Intermediate with Pre-Medical, Pre-Engineering, ICS or equivalent with minimum of 50% marks, from an accredited institution
- Valid NTS test score as per CIIT policy

Duration

- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements

- Minimum 139 Cr. Hrs.

Offering Semester(s)

- Fall and Spring

Program Information

Bachelor of Science in Bioinformatics prepares professionals having the breadth of knowledge and skills required for a career in the area of science combining the latest developments in Informatics, Functional Genomics, Bimolecular Structure, Proteomics, Cell Metabolism, Biodiversity, Drug and Vaccine Design etc.

It aims to produce professionals with a broad understanding of the molecular processes of life, expression and control of genes, tools used to map and sequence genomes, application of statistical tests of significance, design and use of Informatics techniques with an emphasis on the organization and display interrogation of complex data.

Bachelor of Science in Biosciences: BS(BS)

Entry Requirements
– Intermediate with Pre-Medical or equivalent with minimum of 50% marks, from an accredited institution
– Valid NTS test score as per CIIT policy

Duration
– Minimum: 8 Semesters; 4 years
– Maximum: 12 Semesters; 6 years

Credit Hours Requirements
– Minimum 133 Cr. Hrs.

Offering Semester(s)
– Fall and Spring

Program Information

CIIT is the pioneer Institution in launching BS Biosciences program in 2007 at its Islamabad Campus. The program perfectly aligns with the graduate study programs being offered by Biosciences department including MS and PhD. Career opportunities for graduates of this program include the pharmaceutical and biotechnological companies and leading research institutes and universities, together in future mega projects like Center of Excellence in Microbial Genomics, National Center for Proteomics and National Center for Bioinformatics. Further, all pharmaceutical and major biotechnology companies have internal bioinformatics capabilities and programs, especially if they have significant genomics efforts underway. The rapid rise in the Bioinformatics market is driven in part by strategic alliances between companies that have a genomics, pharmacogenomics, or biochip focus.

Our graduates can pursue their career in various domains of public and private sectors such as Health, Agriculture, Genomics, Biotechnology, Information Technology, Energy and Education. The graduating students will be absorbed in private/government organizations. There would be a great demand for graduates in biotechnologies, such as Health biotechnology, Agriculture biotechnology, and Industrial biotechnology. Our graduates will have prospects of immediate employment in health and agriculture sectors among others.

Faculty Members
Islamabad Campus

Professors

- Dr. Raheel Qamar, T.I. , Dean, Research, Innovation and Commercialization (RIC), PhD University of North Texas, USA
- Dr. Mahmood A. Kayani, PhD University of Wales, Swansea, UK
- Dr. Syed Habib Bokhari, PhD, University of Glasgow, UK

Advisors

- Dr. Fauzia Yusuf Hafeez, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Asrar Muhammad Khan, PhD, University of Sydney, Australia

Associate Professors

- Dr. Mustafa Nawaz Shafqat, PhD, Kansas State University, USA

Assistant Professors

- Dr. Tayyaba Yasmin, PhD, PMAS Arid Agriculture University, Rawalpindi, Pakistan
- Dr. Muhammad Zeeshan Hyder, PhD, PMAS Arid Agriculture University, Rawalpindi, Pakistan
- Dr. Qaiser Fatmi, PhD,University of Innsbruck, Austria
- Dr. Muhammad Saeed, PhD, Innsbruck University, Austria
- Dr. Muhammad Jamil, PhD, Wageningen University, Netherlands
- Dr. Sumaira Farrakh, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Syed Musstjab Akber Saha, PhD, Quaid e Azam University,Islamabad, Pakistan
- Dr. Irfan Sadiq, PhD, Pisa University, Italy
- Dr. Abdul Rauf Siddiqi, PhD, Paris Descartes University, France
- Dr. Saadia Naseem, PhD, University of Hanover, Germany
- Dr. Nazish Bostan, PhD, Quaid e Azam University, Islamabad, Pakistan

- Dr. Muhammad Imran, PhD, INPL - ENSAIA - LIBio, Nancy, France
- Dr. KiranMunir, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Aisha Naeem, PhD, University of Illinois at Urbana Champaign (UIUC), USA
- Dr. Zahid Ali, PhD,University of Hanover, Germany
- Dr. ZertashiaAkram, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Muhammad Nadeem Hassan, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Amira Tariq PhD, University of Vienna, Austria
- Dr. Abid Ali Khan,PhD, University of Basque Country, Spain
- Dr. Ramla Shahid, PhD, Cambridge University, UK
- Dr. Saleem Ahmed Bokhari, PhD, Tsinghua University, China
- Dr. Nazia Bibi, PhD, University College London, UK
- Dr. Saima Feroz, PhD, University of Vienna, Austria
- Dr. Faraz Arshad Malik, PhD, CIIT, Islamabad, Pakistan
- Dr. Zahid ur Rehman, PhD, Massey University, New Zealand
- Dr. Syed Tahir Abbas, PhD, University of Illinois at Urbana Champaign, USA
- Dr. Alamdar Hussain, PhD, Karolinsk Institute, Sweden
- Dr. Jawad Khan, PhD, University of Illinois at Urbana Champaign, USA
- Dr. M. Umer, PhD, Imperial College London, UK

Besides, 09 Lecturers and Research Associates are also part of this department.

Sahiwal Campus

Associate Professors

- Dr. Ahmad Ali, PhD, University of Bristol, UK

Assistant Professors

- Dr. Shazia Mannan, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Muhammad Shafiq Shahid,PhD, Quaid e Azam

University, Islamabad, Pakistan
- Dr. Awais Ihsan, PhD, Huazhong Agriculture University, China
- Dr. Awais Zulfiqar, PhD, Zhejiang University, China
- Dr. Sumaira Kanwal, PhD, Kongju National University, Korea
- Dr. Ibrar Hussain, PhD, Swedish University of Agricultural Sciences, Sweden
- Dr. Muhammad Ibrahim, PhD, Zhejiang University, Hangzhou, China

Besides, 03 Lecturers are also associated with the department.

Department of Earth Sciences

The Earth Sciences program was initiated in Fall 2008, followed by the establishment of the Department of Earth Sciences in 2011. CIIT Abbottabad campus being at special geographic location with proximity of the Himalayas, Karakoram, and Hindukush, it provides students an opportunity to learn about the Earth and the geological processes in a real-time mountainous setting and also provides students the opportunity for outdoor academic learning and research that combines field work and laboratory techniques

with a focus on applied Geology and applied Geophysics (Petroleum Geology, Engineering Geology, Environmental Geology, Hydrogeology, Structural Geology/ Tectonics, Economic Geology and Sedimentology).

The unique location of campus provides easy access in close to proximity most diversified set of geological features which include igneous, metamorphic, and sedimentary rocks ranging in age from Precambrian (800 million years) to recent, seismically active faults and their offshoots, a variety of mineral and gemstone deposits, and geomorphologic features.

Bachelor of Science in Earth Sciences: BS (ERS)

Entry Requirements

For Geology Major
- Intermediate with science or equivalent with minimum 50% marks from an accredited institution or Diploma in Electrical, Mechanical or Civil Technology from an accredited Polytechnic Institute or College of Technology with minimum of 50% marks
- Valid NTS test score as per CIIT policy

For Geophysics Major
- F.Sc with Mathematics or equivalent from an accredited institution with minimum of 50% marks or Diploma in Electrical, Mechanical or Civil Technology from an accredited Polytechnic Institute or College of Technology with minimum of 50% marks
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 132 Cr. Hrs.

Program Information

Bachelor of Science in Earth Sciences program is designed to provide a solid foundation in the fields of geology and geophysics, and prepares students for relevant industry, exploration (petroleum and minerals), government organizations, overseas job market, business and higher education. The program fulfils the demand for professionals capable of performing tasks in petroleum exploration, engineering, mining, economic geology, and geohazards /environmental concerns.

Faculty Members
Abbottabad Campus

Professors
- Dr. Ishtiaq Ahmed Khan Jadoon, PhD, Oregon State University, USA
- Dr. Mohammad Arif, PhD, Leicester University, United Kingdom

Advisors
- Dr. Abdul Matin, PhD, University of Punjab, Lahore, Pakistan.
- Dr. Allah Bukhsh Kausar, PhD, Universite Joseph Fourier, Grenoble, France

Principal Scientific Officer
- Dr. Muhammad Tariq, PhD, State Technical University of Oil and Gas, Ivano-Frankivsk, Ukraine

Associate Professors
- Dr. Muhammad Amjad Sabir , Ph.D, University of Peshawar, Pakistan
- Dr. Muhammad Umar, PhD, University of Baluchistan, Pakistan
- Dr. Faridullah, PhD, Tottori University, Japan

Assistant Professors
- Dr. Muhammad Farooq, PhD, Chonbuk National University, Jeonju, South Korea
- Dr. Said Mohammad, PhD, University of Peshawar, Pakistan

Besides, 01 Assistant Professor, 14 Lecturers and 04 Reaserach Associates are also associated with the department.

Department of Environmental Sciences

Department of Environmental Sciences at CIIT was established in 2004 and has now become a hub for interdisciplinary undergraduate studies, innovative research development, graduate studies and advocacy on environmental issues. The Department has highly qualified faculty with major focus areas of research and development include environmental technologies, climate change and ecosystem, renewable energy, sustainable agriculture and

natural resources, sanitation and public health.

The Department of Environmental Sciences at CIIT is playing an important role to inspire a lifelong commitment to the earth for environmental responsibilities through research and education that is essential to understand and improve the environment at local, regional and global level.

Academic Programs Offered

Following undergraduate programs are being offered by the Department of Environmental Sciences:

Bachelor of Science in Environmental Sciences: BS (ES)

Entry Requirements
- Intermediate with science or equivalent with minimum 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 135 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Abbottabad, Vehari

Program Information

Bachelor of Science in Environmental Sciences program is designed to meet the demand for professionals, capable of performing tasks such as sample collection, monitoring, data management, instrumentation, calibration, operation and maintenance etc. The department's teaching and research has been inculcating dynamic studies of Environmental Sciences which prepare graduates to work in a wide array of positions for environmental engineering and consultancy firms, environmental laboratories and other organizations. This program is devised according to the needs of relevant organisations, industry and institutions.

Bachelor of Science in Biotechnology: BS (BTY)

Entry Requirements
- Intermediate with science or equivalent with minimum 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 132 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Abbottabad

Program Information

Bachelor of Science in Biotechnology program has been launched at CIIT with the aim to provide the trained human resource in rapidly expanding filed of biotechnology. The graduates and researchers produced would be available to the institutions involved in biotechnology teaching, research, production and services. The agriculture, health, education, and industry sectors will particularly be benefited as the graduates produced will be instrumental in enhancing efficiency and productivity of institutions belonging to these sectors. Some of the potential employers are private and public sector universities, colleges and research centers, government institutions, industries including pharmaceutical, food and beverages and several other international organizations.

Faculty Members
Abbottabad Campus

Professors
- Dr. Mohammad Maroof Shah, PhD, University of Nebraska-Lincoln, USA
- Dr. Arshid Pervez, PhD, Bradford University, UK
- Dr. Mohammad Irshad, PhD Tottori University, Japan

Advisors
- Dr. Kiramat Khan, PhD, University of Nebraska, Lincoln, USA
- Dr. Iftikhar A. Raja, PhD, University of Strathclyde, Glasgow, UK

Associate Professors
- Dr. Qaisar Mahmood, PhD, Zhejiang University, China

- Dr. Amjad Hassan, PhD, Niigata University, Japan

Assistant Professors
- Dr. Raza Ahmad, PhD, KAIST, Dajon, South Korea
- Dr. Romana Khan, PhD, Kyungpook National University, Taegu, South Korea
- Dr. Jamshaid Hussain, PhD, University of Verona, Italy
- Dr. Faridullah, PhD, Tottori University, Japan
- Dr. Mohammad Bilal, PhD, Agrocampus Ouest, Rennes, France
- Dr. Adnan Ahmad Tahir, PhD, Universite Montpellier 2, France
- Dr. Syed Tatheer Alam Naqvi, PhD, Quaid-e-Azam University, Islamabad, Pakistan
- Dr. Touqeer Ahmad, PhD, Quaid-e-Azam University, Islamabad, Pakistan
- Dr. Usman Irshad, PhD, Sup Agro, Montpellier, France
- Dr. Sarfraz Shafiq, PhD, University of Strastbourg, France
- Dr. Rafiq Ahmad, PhD, University of Paris-Est, France
- Dr. Sabaz Ali Khan, PhD, Wageningen University, The Netherlands
- Dr. Saeed Ahmad Asad, PhD, University of Nottingham, UK
- Dr. Zulfiqar Ahmed Bhatti, PhD, CIIT, Abbottabad, Pakistan
- Dr. Maria Siddique, PhD, CIIT, Abbottabad, Pakistan
- Dr. Bilal Ahmad Zafar Amin, PhD, University of Reims, France
- Dr. Farhan Hafeez, PhD, University of Dijon, France
- Dr. Muhammad Shahzad, PhD, University of Kiel, Germany, Germany

- Dr. Muhammad Tahir Amin, PhD, Seoul National University, Korea
- Dr. Rashid Nazir, PhD, University of Groningen, Netherlands
- Dr. Irum Shahzadi, PhD, CIIT, Abbottabad, Pakistan
- Dr. Nosheen Mirzam PhD, CIIT, Abbottabad, Pakistan
- Dr. Tiayyba Riaz, PhD, France
- Dr. Arshad Mahmood Abbasi, PhD, Quid-e-Azam University, Islamabad, Pakistan
- Dr. Naim Rashid, PhD, KAIST, Korea
- Dr. Arshad Mehmood Abbasi, PhD, Quaid-e-Azam University, Islamabad, Pakistan
- Dr. Javaid Iqbal, PhD, University of Agriculture Faisalabad Pakistan
- Dr. Tahir Hayat, PhD, Zhejiang University P.R China
- Dr. Fazli Wahid, PhD, Korea
- Dr. Muhammadi, PhD, University of Karachi Pakistan
- Dr. Wajiha Khan, PhD, Quaid-e-Azam University, Islamabad, Pakistan
- Dr. Akhtar Iqbal, PhD, University of Reims, France
- Dr. Abdul Nazeer, PhD, Quaid-e-Azam University, Islamabad, Pakistan

Besides, 02 Assistant Professors, 11 Lecturers and 07 Research Associates are also associated with this department.

Vehari Campus

Advisors
- Dr. Muhammad Aslam, PhD, Kansas State University, Manhattan, Kansas, USA

Assistant Professors
- Dr. Muhammad Shahid, PhD, INP-Ensat,
- Poulouse, France
- Dr. Wajid Nasim, PhD, University of Agriculture, Faisalabad, Pakistan
- Dr. Muhammad Nadeem, PhD, University of Bordeaux 1, France
- Dr. Nasir Masood, PhD, University of Agriculture, Faisalabad, Pakistan
- Dr. Ghulam Mustafa Shah, PhD, Wageningen University, Wageningen, The Netherlands
- Dr. Hafiz Faiq Siddique, PhD, Justus Liebig University Giessen, Germany
- Dr. Muhammad Imtiaz Rashid, PhD, Wageningen University, Wageningen, The Netherlands

Department of Mathematics

The Department of Mathematics in CIIT was established in 2001 at its Islamabad and Abbottabad Campuses and has been teaching courses of Mathematics in different degree programs. Later, the departments were also established at Lahore, Wah, Attock and Sahiwal Campuses. The advent of computers and data acquisition facilities has stretched the limits of what is possible in Mathematics to all branches of human endeavor and has given rise to new IT based techniques of mathematical study and has created new computational methodologies.

Mathematics is one of the most mature and well-developed disciplines of basic sciences. The study of Mathematics is not only exciting, but also important. Mathematicians have an opportunity to make a lasting contribution to society by helping to solve problems in diverse fields such as medicine, management, economics, governance, computer sciences, physics, psychology, engineering and social sciences. Thus, it is a subject that can never lose its academic utility or professional value.

Mathematics has such a wide variety of important applications which creates continuously increasing demand for well-trained mathematicians in many fields. It has relevance to fields of aerospace, oil exploration, electronics, weather prediction, management positions, teaching and research, accounting and financial analysis and defence related disciplines.

The Department of Mathematics in CIIT aims to pursue excellence in Mathematics through teaching and research by developing appropriate curricula and teaching practices, acquiring talented faculty members, and providing an environment conducive to teaching and learning of quantitative skills.

Academic Programs Offered

Following undergraduate programs are being offered by the Department of Mathematics:

Bachelor of Science in Mathematics: BS (Math)

Entry Requirements
- F.Sc or equivalent with Mathematics with minimum of 50% aggregate marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters: 6 years

Credit Hours Requirements
- Minimum 133 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Islamabad, Lahore

Program Information

Bachelor of Science in Mathematics aims to provide students with mathematical skills needed for IT based application in varying areas of professional human endeavour. Graduates of Mathematics will demonstrate expertise in a number of areas like scientific computing, mathematical modelling, weather prediction, and industrial mathematics and information systems. The major areas of training include scientific computing, numerical computation, statistical methods, artificial intelligence, optimization, information systems and fluid mechanics.

Master of Mathematics: M.Sc (Math)

Entry Requirements
- B.A/B.Sc with Mathematics as major subject having minimum of 50% marks from an accredited educational institution without any third division (annual system) or D grade (semester system) in academic career
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 4 Semesters; 2 years
- Maximum: 6 Semesters; 3 years

Credit Hours Requirements
- Minimum: 66 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Attock, Sahiwal, Virtual Campus

Program Information

Master of Mathematics program will prepare students with suitable qualifications for jobs in the department of mathematics, statistics, actuarial sciences, mathematical modeling and cryptography; for teaching as well as for research studies leading to MS and PhD degrees.

Faculty Members
Islamabad Campus

Professors
- Dr. Tahira Haroon, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Saleem Asghar, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Muhammad Aslam Noor, PhD, Brunel University London, UK
- Dr. Khalida Inayat Noor, PhD, University of Wales, Swansea, UK
- Dr. Aftab Khan, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Akbar Azam, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Moiz-ud-Din Khan, PhD, Bahauddin Zakariya University, Multan, Pakistan

Advisors
- Dr. Akhtar Hussain, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Noor Muhammad Larik , PhD, Southampton University, UK

Associate Professors
- Dr. Shamsul Qamar, PhD, Otto-von-Guericke University Magdeburg, Germany
- Dr. Abdullah Shah , PhD, Graduate School of Chinese Academy of Sciences (GSCAS), Beijing, China
- Dr. Ishtiaq Ali, PhD, Graduate School of Chinese Academy of Sciences (GSCAS), Beijing, China

Assistant Professors
- Dr. Mahmood ul Hassan,PhD, Brunel University London, UK
- Dr.Muhammad Mushtaq, PhD, CIIT, Islamabad
- Dr. Sobia Sultana, PhD, Government College University, Lahore, Pakistan
- Dr. Shams-ul-Islam, PhD, Graduate School of Chinese Academy of Sciences, Beijing, China
- Dr. Farkhanda Ikhlaq Chohan, PhD, Kagoshina University, Japan.
- Dr. Tanvir Akbar Kiani , PhD, University of Strasbroug, France
- Dr. Masood Anwar, PhD, NCBA&E, Pakistan
- Dr. Tazeen Athar , PhD, University of Saarland, Saarbruecken, Germany
- Dr. Muhammad Saeed Akram, PhD, Government College University, Lahore, Pakistan
- Dr. Muhammad Zaighum Zia, PhD, University of Goettingen, Germany
- Dr. Muhammad Qasim, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Saleem Ahmed, PhD, State University of New York, USA
- Dr. Baber Ahmad, PhD, Government College University, Lahore, Pakistan

- Dr. Imran Rashid, PhD, HRADEC KRALOVE University, Czech Republic
- Dr. Muhammad Fazeel Anwar , PhD, University of York, UK
- Dr. Sohail Iqbal, PhD, Warwick University, UK
- Dr. Tahira Jamil, PhD, Wageningen University, Netherlands
- Dr. Manshoor Ahmed, PhD, CIIT, Islamabad, Pakistan
- Dr. Shahida Nargis, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Bushra Malik, PhD, CIIT, Islamabad, Pakistan
- Dr. Sardar Mohib Ali Khan, PhD, Government College University, Lahore, Pakistan
- Dr. Salman Amin Malik, PhD, University of Rochelle, La Rochelle, France
- Dr. Muhammad Yousaf, PhD, CIIT, Islamabad, Pakistan
- Dr. Saima Noreen, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Adeel Ahmad, PhD, CIIT, Islamabad, Pakistan
- Dr. Shumaila Javeed, PhD, Max Planck Institute, Germany

Besides, 39 Lecturers and 08 Research Associates are also associated with this department.

Lahore Campus

Associate Professors

- Dr. Shahadat Ali Taj,PhD, Brunel University London, UK

Assistant Professors

- Dr. Imran Anwar, PhD, GC University, Lahore, Pakistan
- Dr. Sarfraz Ahmad, PhD, GC University, Lahore, Pakistan
- Dr. Hani Shaker, PhD, GC University, Lahore, Pakistan

- Dr. Imran Ahmad, PhD, GC University, Lahore, Pakistan
- Dr. Muhammad Hussain, PhD, GC University, Lahore, Pakistan
- Dr. Kashif Ali, PhD, GC University, Lahore, Pakistan
- Dr. Tariq Javed Zia, PhD, Graduate School of Chinese Academy of Sciences, Beijing, China
- Dr. Hafiz Abdul Wajid, PhD, University of Strathclyde, Glasgow, UK
- Dr. Amir Mahmood, PhD, GC University, Lahore, Pakistan
- Dr. SaminaMazhar, PhD, LUMS, Lahore, Pakistan
- Dr. Muhammad Younas, PhD, University of Groningen, The Netherlands
- Dr. Adeel Farooq, PhD, Queen Mary University of London
- Dr. Ayesha Sohail, PhD, University of Sheffield, UK
- Dr. Muhammad Yousaf Bhatti, PhD, Norwegian University of Life sciences, Norway.
- Dr. Sadia Ashraf , PhD, GC University, Lahore, Pakistan
- Dr. Sana Javed, PhD, GC University, Lahore, Pakistan
- Dr. Sarfraz Nawaz Malik , PhD, CIIT Islamabad., Pakistan

Besides, 02 Assistant Professors, 06 lecturers are also associated with this department.

Abbottabad Campus

Advisors

- Dr. Mir Asadullah, PhD, Essex University, UK
- Dr. Dost Muhammad, PhD, Michigan University, USA

Assistant Professors

- Dr. Madad Khan, PhD, Quaid-i-Azam University, Islamabad, Pakistan

- Dr. Saima Anis, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Muhammad Ayub, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Abdul Sami Awan, PhD, Government College University, Lahore, Pakistan
- Dr. Saqib Hussain, PhD, CIIT, Islamabad, Pakistan
- Dr. Sultan Hussain, PhD, Government College University, Lahore, Pakistan
- Dr. Usman Ashraf, PhD, GC University Lahore, Pakistan
- Dr. Zahid Ahmad, PhD, University of Punjab, Lahore, Pakistan
- Dr. Naheed Azhar, PhD, Ensta-Bretagne University, France
- Dr. Saima Noor, PhD, CIIT, Islamabad, Pakistan
- Dr. Talat Nazir, PhD, LUMS Lahore, Pakistan
- Dr. Zakir Hussain, PhD, Graduate School of Chinese Academy of Sciences, Beijing, China

Besides, 06 Assistant Professors, 11 Lecturers are also associated with this department.

Wah Campus

Advisors
- Dr. Munir Akhtar, PhD, University of Southampton, UK

Assistant Professors
- Dr. Akmal Javaid, PhD, Graduate University of Chinese Academy of Sciences, Beijing, China
- Dr. Muhammad Kamran, PhD, Government College University, Lahore, Pakistan
- Dr. Amer Rasheed, PhD, European University of Bretagne, France
- Dr. Abdul Wahab, PhD, EcolePolytechnique of Paris, France
- Dr.Shabieh Farwa, PhD, University of Sheffield, UK
- Dr. Muhammad Rafiq, PhD, CIIT

Islamabad, Pakistan
- Dr. Shabbir Ahmad, PhD, Zhejiang University, Hangzhou, China
- Dr. Rab Nawaz, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Ms. Syedah Maedh Kazmi, M.Phil, Quaid-i-Azam University, Islamabad, Pakistan

Attock Campus

Advisors
- Dr. Zafar Mehmud, PhD, Bahauddin Zakariya University, Multan, Pakistan

Assistant Professors
- Dr. Saima Noreen, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Imran Faisal, PhD, Universiti Kebangsaan Malaysia
- Dr. Farooq Ahmad Shah, PhD, CIIT Islamabad, Pakistan
- Dr. Abdul Qadir Baig, PhD, Government College University, Lahore, Pakistan
- Dr. Shafique Rehman, PhD, Government College University Faisalabad, Pakistan
- Dr. Muhammad Awais, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr.Sadia Siddiqa, PhD, CIIT Islamabad, Pakistan

Besides, 04 Lecturers and 01 Research Associate are also working in this department.

Sahiwal Campus

Assistant Professors
- Dr. Muhammad Naeem, PhD, Government College University, Lahore, Pakistan
- Dr. Muhammad Asad Meraj, PhD, Karl-Franzens Universitat, Graz Austria
- Dr. Muhammad Raza, PhD, Bahauddin Zakariya University, Multan, Pakistan

- Dr. Muhammad Sadiq, PhD, Islamia University, Bahawalpur, Pakistan
- Dr. Muhammad Waseem, PhD, CIIT, Islamabad, Pakistan
- Dr. Manzoor Ahmad Zahid, PhD, Tilburg University, Tilburg, Netherlands
- Dr. Ghulam Abbas, PhD, University of the Punjab, Pakistan

Besides, 01 Assistant Professor and 05 Lecturers are also associated with the department.

Department of Physics

Department of Physics at CIIT is one of the best departments with excellent facilities, state of the art laboratories and internationally recognized faculty. It was established in 2002 at Islamabad and started its programs for the first time in Fall 2003 with a four-year BS degree program in Electronics. The Department is rapidly expanding and aspires to excel in the formal instruction of Physics internationally. The department at Lahore campus was established in 2007. The Department of Physics offers competitive degrees in rapidly expanding areas of study. Our strong faculty and excellent facilities ensure that students have a solid technical grasp on their subjects to apply this knowledge in practical work settings. Our invaluable linkages with national and international universities and organizations help us keep up-to-date with new policy trends and job market facilitation incentives being unrolled by the government and private sectors.

Academic Programs Offered

Following undergraduate programs are being offered by the Department of Physics:

Bachelor of Science in Electronics: BS (Elec)

Entry Requirements
- Intermediate with Physics and Mathematics or equivalent with minimum of 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 137 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Islamabad

Program Information

Bachelor of Science in Electronics program, with emphasis placed on producing scientists in the field of Physical Electronics. The program trains students in the art of Electronics with reference to Physics and gives them an insight into the working of devices and integrated circuits. Students start

working on their own projects as early as the fourth semester. The different specializations offered include Communications, Control Electronics (industrial), and Microelectronics.

Bachelor of Science in Physics: BS (Phy)

Entry Requirements
- Intermediate with Physics or equivalent with minimum of 50% marks, from an accredited institution. Pre-medical students may be admitted provisionally. They have to pass additional mathematics course within one year of admission
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 134 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Islamabad, Lahore

Program Information

Bachelor of Science in Physics program is designed to train and equip students with the latest developments associated with Physics and its allied technologies. The program pays special attention to work out the fundamental concepts in quantum mechanics, statistical mechanics and electro dynamics. In the final year students will have the option for electives in a number of available areas like micro and nanotechnologies (electronics and opto electronics), material

science, high energy physics, radiation physics, quantum optics and informatics. The graduates will readily be employed by R&D organizations, and teaching institutions, and for higher studies.

Faculty Members
Islamabad Campus

Professors
- Dr. Arshad Saleem Bhatti, T.I., PhD, Cambridge University, UK
- Dr. Sajid Qamar, PhD, Quaid e AzamUniversity, Islamabad, Pakistan
- Dr. Mahnaz Qader Haseeb, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Khalid Jamil, PhD, Florida University, USA
- Dr. Ehtiram Shahaliyev, PhD, Joint Institute for Nuclear Research, Dubna, Moscow, Russia
- Dr. Izhar ul Haq, PhD, Quaid e AzamUniversity, Islamabad, Pakistan
- Dr. Ishaq Ahmad, PhD, Quaid e Azam University, Islamabad, Pakistan

Chief Scientific Officer
- Dr. Shahid Manzoor, PhD, University of Bologna, Italy

Advisors
- Dr.Hameed Ahmed Khan, PhD, Birmingham University, UK
- Dr. M. Zafar Iqbal, PhD, Manchester University, UK
- Dr. Mrs.Nasim Zafar, PhD, Cambridge University, UK
- Dr. Javaid Anwar, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Abdul Waheed, PhD, Bahauddin Zakariya University, Multan, Pakistan
- Dr. Mais Suleynanov, PhD, Joint Institute for Nuclear Research, Dubna, Moscow, Russia
- Dr. Muhammad Aslam Khan, PhD, Hull University, UK

Associate Professors

- Dr. Farida P. Tahir, PhD, Quaid e AzamUniversity, Islamabad, Pakistan
- Dr. Muhammad Anis-ur-Rehman, PhD, Quaid e AzamUniversity, Islamabad, Pakistan
- Dr. Nazar Abbas Shah, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Ahmer Naweed, PhD, University of Massachusetts, USA
- Dr. Sadia Manzoor, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Ashfaq Hussain Khosa, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Waqas Masood, PhD, University of London, UK
- Dr. Altaf Karim, PhD, Kansas State University Manhattan, USA
- Dr. Siraj-ul-Islam Ahmad, Ph.D, PIEAS Islamabad, Pakistan
- Dr. Khusniddin Olimov, PhD, Uzbekistan Academy of Sciences, Uzbekistan.

Assistant Professors

- Dr. Uzma Khalique, PhD, Eindhoven University of Technology, Netherlands
- Dr. Ahsan Illahi, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Muhammad Irfan Memon, PhD, Bristol University, UK
- Dr. Ijaz Ahmed, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Umair Manzoor, PhD, Korea Advanced Institute of Science and Technology, Korea
- Dr. Mubarak Ali, PhD, Universiti Teknologi Petronas, Malaysia
- Dr. Javeed Akhtar, PhD, Manchester University, UK
- Dr. Sana Sabahat, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Mushtaq Ali, PhD, University of Camerino, Italy
- Dr. Waqqar Ahmed, PhD, University of Twente, Netherlands

- Dr. Waqas Khalid, PhD, Philipps Universitat, Marburg, Philippines
- Dr. Najeeb-ur-Rehman , PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Muhammad Kamran, PhD, Innsbruck University, Austria
- Dr. Salman Khan Safi, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Shumaila Karamat, PhD, Nanyang Technical University, Singapore
- Dr. Sameena Shah Zaman, PhD, Vienna University, Austria
- Dr. Fazal Ghafoor, PhD, Quaid e Azam University, Islamabad, Pakistan
- Dr. Faheel Hashmi, PhD, University of Paul Sabatier, Toulouse, France
- Dr. Muhammad Umair Hassan, PhD, Cambridge University, UK
- Dr. Lubna Tabassum, PhD, University of Camerino, Italy
- Dr. Uzma Tabassum, PhD, University of Camerino, Italy
- Dr. Hajrah Tabassum, PhD, University of Edinburgh, UK
- Dr. Farrukh Shahzad, PhD, Karl-Franzen University, Graz, Austria
- Dr. Attiq-Ur-Rehman, PhD, University of Bergen, Norway
- Dr. Qaiser Waheed, KTH Royal Institute of Technology, Sweden
- Dr. Saira Arif, PhD, University of Vienna, Austria
- Dr. Ghazanfar Abbas, PhD, Bahauddin Zakarhya University Multan, Pakistan
- Dr. Khurram Mehboob, PhD, Harbin Engineering University China
- Dr. Muhammad Saeed, PhD, Hokkaido University Japan
- Dr. Muhammad Hammad, PhD, Islamia University Bahawalpur, Pakistan
- Dr. Muhammad Waseem, PhD, University of Peshawar, Pakistan

- Dr. Hira Siddiqui, Ph.D, Institute for Theoretische Physics, Germany
- Dr. Azeem Mir, Ph.D, CIIT Islamabad, Pakistan
- Dr. Muhammad Hannan Younis, PhD, Politecnico di Torino, Italy
- Dr. Muhammad Bashir, Ph.D, University of Sheffield, UK

Besides, 13 Assistant Professors, 36 Lecturers and 32 Research Associates are also working in this department.

Lahore Campus

Professors
- Dr. Saleem Farooq Shaukat, PhD, Brunel University, London, UK
- Dr. Ashfaq Ahmad, PhD, University of the Punjab, Lahore

Chief Scientific Officer
- Dr. Syed Javaid Iqbal, PhD, Martin Luther University, Germany

Associate Professors
- Dr. Muhammad Asif, PhD, Graduate School of Chinese Academy of Sciences, Beijing, China
- Dr. Hafiz M. Ashfaq Ahmad, PhD, Harbin Institute of Technology, China

Assistant Professors
- Dr. Salman Naeem Khan, PhD, ZJU, China
- Dr. Naveed Aslam, PhD, GCU, Pakistan
- Dr. Shabana Nisar, PhD, Syracuse University, USA
- Dr. Muhammad Asif, PhD, Linkoping University, Sweden
- Dr. Muhammad Aamir Razaq, PhD, Uppsala University, Sweden
- Dr. Muhammad Idrees, PhD, PIEAS, Islamabad, Pakistan
- Dr. Rizwan Raza, PhD, KTH, Stockholm, Sweden
- Dr. Hassan Mahmood, PhD, University at Albauy State University of New York, USA

- Dr. Abdul Sattar, PhD, University of Canterbury, New Zealand
- Dr. Majid Niaz, PhD, Universiti Teknologi PETRONAS, Malaysia
- Dr. Farah Alvi, PhD, University South Florida, United State
- Dr. Nadeem Akram, PhD, Stockholm University, Sweden
- Dr. Zahida Ehsan, PhD, University of Leuven-KatholiekeUniversiteit Leuven, Belgium
- Dr. Muhammad Jamil, PhD, Government CollegeUniversity, Lahore, Pakistan
- Dr. Ayesha Jamil, PhD, Cambridge University, United Kingdom
- Dr. Ishrat Sultana, PhD, Sungkyunkwan University, South Korea
- Dr. M. Saleem, PhD, China

Department of Pharmacy

The Department of Pharmacy at CIIT is dedicated to educate future pharmacists and scientists and provide professional development opportunities locally and nationally to practicing pharmacists. All of our programs are driven by our mission to enhance the quality of life for the local people and the global community through improved health. According to WHO there is a dire need of Pharmacy professional worldwide, particularly in the third world countries and as per their recommendations for the current population

of Pakistan, there is need of 90,000 Pharmacists against the existing about 7000 pharmacists serving the nation.

Resultantly, a huge demand for more professional pharmacists, not only for the country, but also in the world exists. The Department of Pharmacy at CIIT Abbottabad Campus is playing an active role to cater the national health care needs through a broad-based higher and professional education of pharmacy. In order to deliver quality education in the field of pharmaceutical sciences, the department has services of internationally qualified faculty and has established state of the art laboratories.

Academic Programs Offered

Following undergraduate program is being offered by the Department of Pharmacy:

Doctor of Pharmacy (Pharm-D)

Entry Requirements
 – Intermediate with pre-medical group or equivalent with minimum of 60% marks from an accredited institution
 – Valid NTS test score as per CIIT policy

Duration
 – Minimum: 10 Semesters; 5 years
 – Maximum: 15 Semesters; 7.5 years

Credit Hours Requirements
 – Minimum 192 Cr. Hrs.

Offering Semester(s)
 – Fall only

Offering Campus(es)
 – Abbottabad

Program Information

Doctor of Pharmacy (Pharm-D) is a professional degree program that prepares students for careers as pharmacists in a variety of practice settings. Pharm-D is a five years degree program (ten semesters) with minimum 192 credit hours and clerkship in the clinical setting. The curriculum approved by HEC and Pakistan Pharmacy Council provides an appropriate balance of coursework in biomedical sciences (basic and clinical), pharmaceutical sciences, administrative pharmacy sciences and pharmacy practice. The goal of the curriculum is to train students to be life-long learners who can provide pharmaceutical care in a variety of health care settings including the community, medical institutions, health care facilities, research and development organizations and the pharmaceutical industry as well as for future graduate or professional study. Career opportunities for pharmacists include employment at community pharmacies, hospitals, long-term care, home health, public health, veterinary medicine, drug research and development, academia, and community medical clinics.

Faculty Members
Abbottabad Campus

Professors
 – Dr. Nisar ur Rehman,PhD,University of Science, Malaysia, Malaysia

Associate Professors
 – Dr. Taous Khan, PhD, Kyungpook National University, South Korea
 – Dr. Abdul Jabbar Shah, PhD, Agha Khan University, Pakistan

Assistant Professors

- Dr. Ghulam Murtaza, PhD, Islamia University Bahawalpur, Pakistan
- Dr. Abdul Mannan, PhD, Quaid-i-Azam University, Pakistan
- Dr. Shujat Ali Khan, PhD, Islamia University Bahawalpur, Pakistan
- Dr. ArfatYameen, PhD, Quaid-i-Azam University, Pakistan
- Dr. Wajahat Mahmood, PhD, Menzies School of Health Research Charles Darwin University Australia
- Dr. Ghulam Abbas, PhD, HEJ Research Institute of Chemistry, Karachi, Pakistan
- Dr. Khalid Raouf, PhD, University of Peshawar, Pakistan
- Dr. Saira Azhar, PhD, University Sains, Malaysia, Malaysia
- Dr. Aun Muhammad, PhD, Quaid-e-Azam University, Pakistan
- Dr. Nabi Shah, PhD, University of Karachi, Pakistan

Besides, 03 Assistant Professor, 07 Lecturers and 10 Research Associates are also part of this department.

Faculty of Engineering

The Faculty of Engineering is managing four departments including Department of Electrical Engineering, Department of Chemical Engineering, Department of Mechanical Engineering and Department of Civil Engineering.

Department of Electrical Engineering

The Department of Electrical Engineering at CIIT Islamabad, Abbottabad and Wah Campuses was established in 2001 and at CIIT Lahore, Attock and Sahiwal Campuses in 2002, 2007 and 2012 respectively. During this short span it has made big strides by offering conducive environment for studying various disciplines of Electrical Engineering. The curriculum ensures that the students to learn not only the theoretical knowledge required solving complex engineering problems and at the same time acquaints them with state of the art tools and technique used in practice.

One of the main goals of the department is to actively achieve gender mainstreaming in its programs. Women are doing remarkable work in the engineering field today. Fields such as Computer Engineering, Telecommunication

Engineering, Power Engineering and Electronics Engineering are offering congenial work environments for females. As such there is an increased demand from the female students to enrol in the Engineering Department programs.

Academic Programs Offered

Following undergraduate programs are being offered by the Department of Electrical Engineering:

Bachelor of Science in Electrical (Computer) Engineering: BS(ECE)

Entry Requirements
- Intermediate or equivalent with Physics, Mathematics, and Chemistry having minimum of 60% marks or DAE in the same discipline of engineering with minimum of 60% marks from an accredited educational institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 135 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Islamabad, Abbottabad

Program Information

Bachelor of Science in Electrical (Computer) Engineering Program is one of the most versatile programs offering degree in electrical

engineering, giving students the core knowledge and adequate breadth within the field, the emphases being on computer related subjects with specialized courses on computers design, digital electronics and computer science.

Bachelor of Science in Electrical (Telecommunication) Engineering: BS(ETE)

Entry Requirements
- Intermediate or equivalent with Physics, Mathematics, and Chemistry having minimum of 60% marks or DAE in the same discipline of engineering with minimum of 60% marks from an accredited educational institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 136 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Islamabad, Lahore

Program Information

Bachelor of Science in Electrical (Telecommunication) Engineering Program is one of the most popular undergraduate Programs now a days. With the advancement in digital communication and a rapid growth in Information Technology and telecommunication sector, a new industrial base has sprung up which requires engineers with more specialized skills in this area. This new industrial base includes the traditional wired communication companies, mobile and cellular companies, wireless local loop operators, and cable and broadband communication companies. As per demands of this new industrial base, this Program includes latest digital technologies as well as traditional communication techniques. For the graduates to have deeper understanding, sub-specialization options being offered include optical communication systems, wireless communication systems and radar, navigational aids, radio and television technologies.

Bachelor of Science in Electrical (Electronics) Engineering: BS(EEE)

Entry Requirements
- Intermediate or equivalent with Physics, Mathematics, and Chemistry having minimum of 60% marks or DAE in the same discipline of engineering with minimum of 60% marks from an accredited educational institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 136 Cr. Hrs.

Offering Semester(s)
- Fall and Spring (Abbottabad)
- Fall (Islamabad)

Offering Campus (es)
- Abbottabad, Islamabad, Lahore

Program Information

Bachelor of Science in Electrical (Electronics) Engineering is one of the oldest Programs of Electrical Engineering. Electronics engineers have a broad spectrum of knowledge base which allows them to work in areas ranging from maintenance, management, design, and reverse engineering.

Bachelor of Science in Electrical (Power) Engineering: BS(EPE)

Entry Requirements
- Intermediate or equivalent with Physics, Mathematics, and Chemistry having minimum of 60% marks or DAE in the same discipline of engineering with minimum of 60% marks from an accredited educational institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 135 Cr. Hrs.

Offering Semester(s)
- Fall and Spring (Abbottabad)
- Fall (Islamabad, Attock)

Offering Campus(es)
- Islamabad, Abbottabad, Attock

Program Information

In many countries, including the developed ones, the acute shortage of power engineers is being felt and it is estimated that in next five to ten years the scarcity of power engineers will reach a critical stage With this scenario in mind and the inevitable addition of more power generation units to be set up in Pakistan, CIIT felt the need to offer Electrical (Power) Engineering program at undergraduate level.

Bachelor of Science in Electrical Engineering: BS(EE)

Entry Requirements
- Intermediate or equivalent with Physics, Mathematics, and Chemistry having minimum of 60% marks or DAE in the same discipline of engineering with minimum of 60% marks from an accredited educational institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 133 Cr. Hrs.

Offering Semester(s)
- Fall and Spring (Attock)
- Fall (Wah, Sahiwal)

Offering Campus(es)
- Wah, Attock, Sahiwal

Program Information

Bachelor of Science in Electrical Engineering Program is designed to provide its graduates with a solid educational foundation on which they can build successful and sustainable careers in electrical engineering and related fields. The curriculum of Bachelor of Science in Electrical Engineering is developed with the objective to facilitate the teaching of common core courses and selection of courses of a particular major area like

Power, Telecommunication, Electronics, Computer and Control. To enhance learning, workshops are often held such as 'Telecommunication Regulations'. Establishment of 'Center of Advanced Studies in Telecommunication (CAST) at CIIT is another step in this direction. Industrial tours, Project exhibition events like 'TechnoMoot and EMCOT and seminars on 'Mobile Technology Development in Pakistan', 'High speed Optical Communication', 'Design and Development of Multi-channel Digital Filters and their Applications in Tracking' and advanced mobile communication standards such as WiMAX and LTE etc are some of the strengths of the department.

Bachelor of Science in Computer Engineering: BS(CE)

Entry Requirements
- Intermediate or equivalent with Physics, Mathematics, and Chemistry / Computer Science / Computer Studies having minimum of 60% marks or DAE in the same discipline of engineering with minimum of 60% marks from an accredited educational institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 134 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Attock, Lahore

Program Information

Computer Engineering is an enormously vibrant area of study. It focuses on the design, analysis and application of the computer system. It is a practical field intended to solve real world problems by combining ideas from engineering with basic science. The curriculum of Bachelor of Science in Computer Engineering is developed in such ways that during the first year, reinforcement in science and mathematics subjects are provided. During the second year, graduates are reinforced with the Electronic Engineering and Computer Engineering fields. In the third and fourth year, major emphasis is on Computer Architecture and Interfacing, Digital Systems and Computer Science.

Faculty Members
Islamabad Campus

Professors
- Dr. Shahid Ahmed Khan, PhD, University of Portsmouth, UK
- Dr. Nassrullah Khan, PhD, Essex University, UK
- Dr. Shahzad A. Malik, PhD, Ecole National Superieur
- Des Telecommunication, France
- Dr. Junaid Mughal, PhD, University of Birmingham, UK

Associate Professors
- Dr. Shafayat Abrar, PhD, Liverpool University, UK

Principal Engineer
- Dr. Qadeer ul Hassan, PhD, Boston University, USA

Assistant Professors
- Dr. Jamshed Iqbal, PhD, University of Genova, Italy
- Dr. Mustafa Shakir, PhD, Beijing Institute of

Technology, China
- Dr. Safdar Hussain Bouk, PhD, Keio University, Japan
- Dr. Shahrukh Agha, PhD, Loughborough University, UK
- Dr. Shurjeel Wyne, PhD, Lund University, Sweden
- Dr. Muhammad Fasih Ud din Butt, PhD, University of Southampton, UK
- Dr. Syed Irfan Ahmed, PhD, Carleton University, Canada
- Dr. Zeeshan Ali Khan, PhD University of Nice - Sophia Antipolis, France
- Dr. Junaid Ahmed, PhD, Manchester University, UK
- Dr. Naveed Ur Rehman, PhD, Imperial College, London, UK
- Dr. Moazzam Islam Tiwana, PhD, Orange Laboratories (France Telecom)in collaboration with Institute National de Telecommunication, Evry, France
- Dr. Ahmed Bilal Awan, PhD, Institute National Polytechnique de Lorraine, France
- Dr. Junaid Nawaz, PhD, MAJU, Pakistan
- Dr. Guftar Ahmed, PhD, Jacobs University, Germany
- Dr. Hammad Umer, PhD, Imperial College, London, UK
- Dr. Aamir M. Khan, PhD, University of Nice-Sophia Anitpolis, France

Besides, 34 Assistant Professors, 36 Lecturers, 19 Lab Engineers and 14 Research Associates are also part of this department.

Abbottabad Campus

Professors
- Dr. Shahid Khattak, PhD, Technische Universitat Dresden, Germany
- Dr. Laiq Khan, PhD, University of Strathclyde, Glasgow, UK

Associate Professors
- Dr. Imdad Khan, PhD, Birmingham University, UK
- Dr. Owais, PhD, Linkoping University, Sweden

Principal Engineer
- Dr. Abdur Rashid, PhD, University of Manchester, UK

Assistant Professors
- Dr. Ghulam Mujtaba, PhD, Loughborough University, UK
- Dr. Mohsin Amin, PhD, University of Lorraine, Metz, France
- Dr. Sohail Razzaq, PhD, Lancaster University, UK
- Dr. Khurram Aziz, PhD, Vienna University, Austria
- Dr. Sajjad Ali Mushtaq, PhD, Ecole National Superieur Des Telecommunication de Bretagne, France

Besides, 18 Assistant Professors, 82 Lecturers and 01 Research Associates are also associated with this department.

Lahore Campus

Associate Professors
- Dr. Saleem Akhtar, PhD, Ecole National Superieur Des Telecommunication, France
- Dr. Sobia Baig, PhD, Ghulam Ishaq Khan Institute of Engineering, Sciences, Technology, Topi, Swabi, Pakistan

Assistant Professors
- Dr. Ali Nawaz Khan, PhD, Harbin Institute of Technology, China
- Dr. Ejaz Ahmad Ansari, PhD, Asian Institution of Technology, Thailand
- Dr. Muhammad SaqibSarfraz, PhD, Technical University Berlin, Germany
- Dr. UmerFarooq, PhD,Universite Pierre et Marie
- CURIE, France

- Dr. Junaid Zafar, PhD, Manchester University, UK
- Dr. Muhammad Khurram, PhD, University of Nice-Sophia Antipolis, France
- Dr. Asim Ali Khan, PhD, Manchester University, UK
- Dr. Mujtaba Hussain Jaffery, PhD, University of Surrey, UK
- Dr. Hafiz Muhammad Asif, PhD, Lancaster University, UK
- Dr. Irfan Ahmad, PhD, University of Grenoble, France
- Dr. Muhammad Nadeem, PhD, Auckland University, New Zealand
- Dr. Muhammad Naeem Awais, PhD, Jeju National University, Republic of Korea
- Dr. Muhammad Naeem Shehzad, PhD, Ecole Polytech de Nantes, France

Besides, 04 Assistant Professors, 33Lecturers, 6Research Associates and 13 Lab Engineers are also part of this department.

Wah Campus

Advisors
- Dr. Muhammad Amin, PhD, UET, Taxila, Pakistan

Associate Professors
- Dr. Rahim Dad Khan, PhD, ECUST, Shanghai, China
- Dr. SherazAnjum, PhD, Graduate School of Chinese Academy of Sciences, Beijing, China
- Dr. Nadia Nawaz, PhD, Essex University, UK
- Dr. Muhammad Altaf, PhD, Essex University, UK

Assistant Professors
- Dr. Mubashir Hussain Rehmani, Ph.D, Universite Pierre et Marie CURIE, France
- Dr. Ayaz Ahmad, PhD, Paris Sud 11 University, France
- Dr. SajidSiraj, PhD, Manchester University, UK
- Dr. Muhammad Iqbal, PhD, University of Posts and Telecommunication, China

- Dr.Wasim Qaiser Awan, PhD, Ivanovo State Power Engineering University, Russia
- Dr. Abdul Naeem, Ph.D, KTH-Royal Institute of Technology, Sweden
- Dr. Muhammad Naeem, Ph.D. Simon Fraser University, Burnaby, Canada

Besides, 10 Assistant Professors, 14 Lecturers, 05 Research Associates and 01 Lab Engineer is also associated with this department.

Attock Campus

Assistant Professors
- Dr. Shujaat Ali Khan Tanoli, PhD, Asian Institute of Technology, Bangkok, Thailand
- Dr. Saeed Ehsan Awan, PhD, PIEAS, Nilore, Islamabad, Pakistan
- Dr. Junaid Ali Khan, PhD, International Islamic University, Islamabad, Pakistan
- Dr. Muhammad Asif Zahoor Raja, PhD, International Islamic University, Islamabad, Pakistan
- Dr. Shahab Ahmad Niazi, PhD, Beijing University of Posts and Telecommunications, China

Besides, 03 Assistant Professors and 07 Lecturers are also associated with this department.

Center for Advanced Studies in Telecommunication (CAST) at CIIT Islamabad Campus

The Center for Advanced Studies in Telecommunication (CAST) was established in December 2007 as an autonomous research center committed to quality research in the area of telecommunication. CAST has been funded by Higher Education Commission and CIIT's own resources. Establishment of CAST has ensured long term continuity of high quality and industry

relevant research.

CAST has been developed with an aim to enhance collaboration between university-based telecommunications activities and regional telecom industry, government and community groups. CAST from its inception has been focused on developing strong industry links, with special regard to the practical implementation and realization of telecommunication technologies. In this regard CAST has established a marketing department for establishing and maintaining mutually beneficial commercial collaboration with local telecom industry.

The mission of CAST is to provide service to society by promoting quality research in telecommunication by virtue of its highly competent faculty and staff, sate-of-the-art research facilities, synergistic relationships with regional industry and by providing an intellectually stimulating environment for problem – based research. Undergraduate students can also undertake their final year projects under the supervision of the research scholars working in CAST.

Faculty Members

Chief Engineer
- Dr. Mahmood Ashraf Khan, Director, PhD, Aston University, UK

Assistant Professors
- Dr. Imran Usman, PhD, PIEAS, Nilore, Islamabad, Pakistan
- Dr. Muhammad FarhanShafique, PhD, Leeds Metropolitan University, UK
- Dr. Nadeem Javaid, PhD, Ecole National Superieur Des Telecommunication, France
- Dr. Muhammad Saeed Khan, PhD,

Geschaeftsstelle Craz University, Austria

Besides, 03 Assistant Professors, 11 Lectures and 10 Research Associates are associated with this center.

Department of Chemical Engineering

The Department of Chemical Engineering at CIIT Lahore Campus was launched in 2005, with a vision to produce outstanding chemical engineers equipped with extensive up-to-date technical knowledge and skillful hand-on-training to meet the changing demands of the society. The Department offers enabling academic as well as social environment to its students to nourish their mental faculties. It strives for producing chemical engineers who are distinguished by their innovative approach, professional competence and managerial skills, together with providing quality education with an emphasis on applied research and all possible international linkages.

Faculty Members

Professors
- Dr. Asad Ullah Khan, PhD Imperial College London, UK
- Dr. Robina Farooq, PhD, East China University of Science and Technology, Shanghai, China

Advisors
- Dr. Javaid Ahmad, PhD, Brunel University, London, UK

Associate Professors

- Dr. Moin-ud-Din Ghauri, PhD, University of Sheffield, UK
- Dr. Nasir Mahmood, PhD, Martin Luther University of Halle-Wittenberg, Germany
- Dr. Anwar ul Haq, PhD, Ivanovo State University of Chemistry and Technology, Russia

Assistant Professors

- Dr. Aqeel Ahmad Bazmi, PhD, University Technology Malaysia, Malaysia
- Dr. Mazhar Amjad Gilani, PhD,Clausthal University of Technology, Germany
- Dr. Javed Iqbal, PhD, Martin Luther University Halle-Wittenberg, Germany
- Dr. Zulfiqar Ali, PhD, Martin Luther University of Halle-Wittenberg, Germany
- Dr. Asim Laeeq Khan, PhD, Katholic University of Leuven, Belgium
- Dr. Murid Hussain Malik, PhD, Korea Advanced Institute of Science and Technology, Korea
- Dr. M. Umar Manzoor, PhD, University of Ulster, UK
- Dr. Sikander Rafiq, PhD, University Technology Petronas, Malaysia
- Dr. Faizan Ahmad, PhD, University Technology Petronas, Malaysia
- Dr. Zakir Khan, PhD, University Technology Petronas, Malaysia
- Dr. Muhammad Rizwan, PhD. Hanyang University, Korea
- Dr. Aqeel Ahmad Khan, PhD, University of Manchester, UK

Besides, 04 Assistant Professors, 30 Lecturers and 04 Research Associates are also associated with the Department.

Department of Mechanical Engineering

The CIIT establishment decided to launch the Department of Mechanical Engineering in both CIIT Sahiwal and CIIT Wah Campuses. The Department at Sahiwal Campus has initially launched the BS program in Mechanical Engineering and has inducted the first batch of students from Fall 2010. The Department has experienced faculty of international repute.

Academic Programs Offered

Following undergraduate program is being offered by the Department of Mechanical Engineering:

Bachelor of Science in Mechanical Engineering: BS(ME)

Entry Requirements

- Intermediate or equivalent with Physics, Mathematics and Chemistry with minimum of 60% marks, or DAE in the same discipline of engineering with minimum of 60% marks from an accredited educational institution
- Valid NTS test score as per CIIT policy

Duration

- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements

- Minimum 144 Cr. Hrs.

Offering Semester(s)

- Fall and Spring

Program Information

The broad educational objective of undergraduate program in Mechanical Engineering is to provide a solid foundation of mathematical, scientific and engineering knowledge and to develop the engineering and research skills that will serve students throughout their careers. The Department of Mechanical Engineering aims to attract highly motivated students and prepare them for life-long learning and practice of Mechanical Engineering in industry, government, and academia, develop a sound knowledge through aggressive research that focuses on Mechanical Engineering related science and technology as well as interdisciplinary opportunities, taking into account the local resources, talent and needs and serve as a valuable resource for the people and the industry of the nation.

Faculty Members

Chief Engineers
– Dr. Fayyaz Ahmed Lohar, PhD, McGill University, Canada
– Dr. Zahiruddin Shaikh, PhD, University of Sheffield, UK

Assistant Professors
– Dr. Abdul Shakoor Khan, PhD, Odessa State Academy of Refrigeration, Ukraine
– Dr. Muhammad Abid, PhD, Technical Universitie, Germany
– Dr. Muhammad Rizwan, PhD, Huazhong University of Science and Technology, Wuhan, China

Besides, 04 Assistant Professors and 06 Lecturers are also associated with the department.

Department of Civil Engineering

The Department of Civil Engineering was established at CIIT Wah and Abbottabad Campuses in 2012. The department offers a competitive degree program at the undergraduate level based on a comprehensive curriculum designed in accordance with the HEC and PEC guidelines and in line with international standards. The department has diverse and experienced faculty of international repute.

Academic Programs Offered

Following undergraduate program is being offered by the Department of Civil Engineering:

Bachelor of Science in Civil Engineering: BS(CEE)

Entry Requirements
– Intermediate or equivalent with Physics, Mathematics and Chemistry with minimum 60% marks, or DAE in the same discipline of engineering with minimum of 60% marks from an accredited educational institution
– Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 140 Cr. Hrs.

Offering Semester(s)
- Fall only

Offering Campus(es)
- Abbottabad, Wah

Program Information

Civil Engineering is the oldest engineering profession that deals with the design, construction and maintenance of the physical and naturally built environment and plays a vital role in the progress and development of a modern society.

Bachelor of Science in Civil Engineering program at CIIT aims to provide critical learning for broad foundation in structures, environmental engineering, geotechnical, materials, water resources and transportation. Considerable emphasis is placed on group-based, open-ended design projects to provide students with the necessary skills for creative teamwork and to prepare them professionally for diverse employment opportunities. Preparation for professional practice and graduate studies is accomplished through careful selection of technical electives.

Faculty Members
Abbottabad Campus

Associate Professors
- Dr. Muhammad Ashraf Tanoli, PhD, Tottori University, Japan

Assistant Professors
- Dr. Muhammad Atiq Ur Rehman Tariq, PhD, Delft University of Technology, Holland
- Dr. Tayyab Ashfaq, PhD, KAIST, South Korea
- Dr. Khalid Mehmood, PhD, Busan National University, Busan, South Korea

Besides 04 Lecturers are also associated with this department

Wah Campus

Assistant Professors
- Dr. Hasan Abbas, PhD, Michigan State University, USA
- Dr. Qadir Bux alias Imran Lateef, PhD, Universiti Tun Hussein Onn Malaysia, Malaysia
- Dr. Zafar Mehmood, PhD, Saitama University, Japan
- Dr. Khalil Ahmad, PhD, Iowa State University, USA
- Dr. Qazi Samiullah, PhD, INSA Lyon, France

Besides 01 Assistant Professor and 01 Lecturer are also associated with this department.

Faculty of Business Administration

The Faculty of Business Administration at CIIT is an amalgam of three departments including Department of Management Sciences, Department of Development Studies and Department of Humanities.

Department of Management Sciences

The Department of Management Sciences started its journey at CIIT about 12 years ago and with its phenomenal ascent is presently one of the top departments in this country's higher educational landscape. This department endeavours to contribute to the broader social role in providing high quality education, distinguished by cutting edge technologies and modern managerial practices. It is committed to prepare students at par with the market trends. It has one of the largest concentrations of doctoral degree holders in the country and maintains multiple partnerships and cooperation agreements with prestigious universities across the globe.

Together with enjoying a good reputation among employers, our programs provide students a thorough insight into latest trends in management and business practices. Together with grooming the personality of our students and sharpening their communication skills, greater emphasis is laid upon the intellectual augmentation and perpetual development of students with both curricular and extracurricular efforts.

Academic Programs Offered

Following undergraduate programs are being offered by the Department of Management Sciences:

Bachelor of Science in Business Administration: BS (BA)

Entry Requirements
- Intermediate or equivalent with minimum 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 139 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Islamabad, Abbottabad, Wah, Attock, Sahiwal, Vehari, , Virtual Campus, Lahore

Program Information

Bachelor of Science in Business Administration program at CIIT provides students the option to specialize in any of the different areas including Marketing, Finance, Human Resources Management, Entrepreneurship, International Business, Business Law, Supply Chain

Management and Banking and Finance.

This program prepares students for the ever-changing world of business by exposing them to the real life business experiences and has been designed to:

- ➤ Familiarize students with the fundamental body of theoretical and applied knowledge of business
- ➤ Learn new tools and techniques in areas such as accounting, marketing, and management
- ➤ Enable integration of formal academic learning with their business related experiential learning
- ➤ Expose students to the global business environment.

Bachelor of Science in Accounting and Finance: BS (A&F)

Entry Requirements
- Intermediate or equivalent with minimum 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 135 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Islamabad, Lahore, Wah, Sahiwal, Vehari

Program Information:

Bachelor of Science in Accounting and Finance program aims to produce high technical skills as well as well- developed and polished decision making and problem solving skills among students and is structured around three core areas:

Accounting: Financial and management accounting is offered from a local as well as international perspective. Courses like taxation and auditing are offered to give the graduates an insight in to the accounting practices.

Finance: A thorough understanding of principles of corporate finance, financial institutions and investment is provided so that the student can adapt themselves to the ever evolving financial markets.

Information Technology: A complete understanding regarding the importance of information technology in the field of business is developed by offering subjects such as Business Management Information System and Knowledge Management and Information Technology.

Bachelor of Science in Economics: BS (Eco)

Entry Requirements
- Intermediate or equivalent with minimum 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 132 Cr. Hrs.

Program Information

Bachelor of Science in Economics program is designed to produce graduates with sound knowledge of economic theory and applied economics. This program offers a combination of theoretical and practical courses with economic application to illustrate the use of economics at work. The degree is based around the core courses of micro and macroeconomics, focusing on behaviour of individuals and firms and broader issues such as employment and inflation. The graduates of this program will be able to work as economists in public or private sector; government institutions, commercial banks, NGOs, teaching and other institutions involved in training, consultancy, research and policy formulation.

Bachelor of Business Studies: BBS

Entry Requirements
- 14 years of education in relevant field with minimum 2.0/4.0 CGPA (semester system) or 50% marks (annual system) from an accredited educational institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 4 Semesters; 2 years
- Maximum: 6 Semesters; 3 years

Credit Hours Requirements
- Minimum 66 Cr. Hrs.

Program Information

Bachelors of Business Studies program at CIIT has been initiated for the prospective students who wish to undertake business studies at CIIT. This two years program will meet the increasing demand for advanced business education which will not only combine text book learning with case study methodology but will expose students to an environment which will facilitate development of their conceptual skills as well as personal growth.

The graduates of this program will have the clear understanding of financial theories and markets, the financial reporting system, and financial analysis, will be able to identify customer needs and participate in the process of developing products and services to meet these needs. On completion, the students will actually be able to put knowledge to work and will feel comfortable performing the responsibilities of a leadership, critical thinking, communication and interpersonal skills, management and marketing and finance and global business.

Master of Public Administration: MPA

Entry Requirements
- Bachelor degree (14-years) or equivalent with minimum of 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 4 Semesters; 2 years
- Maximum: 6 Semesters; 3 years

Credit Hours Requirements
- Minimum 69 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Attock, Wah, Virtual Campus

Program Information

Master of Public Administration program has been designed to produce graduates for effective management of public sector which is one of the largest sectors of the country and requires effective management for the country to prosper.

Master of Economics: M.Sc (Eco)

Entry Requirements
- Bachelor degree (14-years) with Economics having minimum of 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 4 Semesters; 2 years
- Maximum: 6 Semesters; 3 years

Credit Hours Requirements
- Minimum 69 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Vehari

Program Information

Master of Economics (M.Sc) program is designed to impart theoretical and applied knowledge in the field of Economics at undergraduate level and equips the students with conceptual and analytical skills required to have a better understanding of economic problems. This program also provides students with an opportunity to apply this knowledge by undertaking research and field work. The career potential for the program is enormous and the graduates may find opportunities in both the public and private sector national and international organizations, business, economics research etc.

Master of Business Administration (Executive, 2 Years): MBA (Exe)

Entry Requirements
- 14 years of education in relevant field with four years of work experience having minimum of 2.0/4.0 CGPA (semester system) or 50% marks (annual system)
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 4 Semesters; 2 years
- Maximum: 6 Semesters; 3 years

Credit Hours Requirements
- Minimum 66 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Islamabad, Wah, Abbottabad, Lahore, Attock, Sahiwal, Vehari, Virtual Campus

Program Information

An Executive MBA program provides an opportunity for professionals to obtain a Master's degree in Business Administration on a schedule that minimizes disruption of work and personal pursuits. This two year MBA (Exe) program will meet the increasing demand for advanced business education which will not only combine text book learning with case study methodology but will expose students to an environment which will facilitate development of their conceptual skills as well as personal growth. It builds on the strengths of our full-time MBA program, and offers rigorous studies. The graduates of this program may find employment opportunities in a wide variety of government and non-government sector organizations, banking sector, telecommunication sector, health sector and many others.

Faculty Members
Islamabad Campus

Professors
- Dr. Qaisar Abbas, PhD, Nankai University
- Tianjin, China
  Dr. Khalid Riaz, PhD, Iowa State University, USA
- Dr. Syed Zulfiqar Ali Shah, PhD, University of Manchester, UK

Advisors
- Dr. Muzaffar Ali Qureshi, PhD, Rensslare Polytechnic Institute, Troy,NY/University of Southern California, USA

Associate Professors
- Dr. Muhammad Arshad Khan, PhD, PIDE, Islamabad, Pakistan
- Dr. Muhammad Zahid Iqbal, PhD, National University of Modern Languages, Islamabad, Pakistan

Assistant Professors
- Dr. Amna Yousaf, PhD, University of TWENTE, Netherlands
- Dr. Bashir Ahmad Fida, PhD, Shanghai Universityof Finance and Economics, China
- Dr. Farrukh Nawaz Kayani, PhD, University of International Business and Economics, China
- Dr. Husnain A. Naqvi, PhD, University of Dundee, UK
- Dr. Muhammad Azhar Khan, PhD, Hokkaido University Sapporo, Japan
- Dr. Muhammad Majid Khan, PhD, University of Massachusetts, USA
- Dr. Muhammad Zakaria, PhD, QAU,Pakistan
- Dr. Raja Saquib Yusaf Janjua, PhD, Vienna University of Economics and Business Administration, Austria
- Dr. Seeme Mallick, PhD, Macquaire University, Australia
- Dr. Shahab Alam Malik, PhD, Harbin Institute of Technology, China
- Dr. Umara Noreen, PhD, Foundation University, Pakistan
- Dr. Uzma Javed, PhD, Cardiff University, UK
- Dr. Azad Haider, PhD, Federal Urdu University, Pakistan
- Dr. Faisal Abbas, PhD, Research University of Bonn, Germany
- Dr. M. Iftikharul Hasnain, PhD, Federal Urdu University, Pakistan
- Dr. Mumtaz Ahmed, PhD, International Islamic University, Pakistan
- Dr. Noureen Adnan, PhD, University of Surrey, UK
- Dr. Usman Ayub, PhD, CIIT Islamabad, Pakistan
- Dr. Azad Haider, PhD, FAST, Islamabad, Pakistan
- Dr. Mansoor Ahmed, PhD, University of Manchester, UK

Besides, 31 Assistant Professors, 34 Lecturers and 10 Research Associates are also part of this Department.

Lahore Campus

Professors
- Dr. Mahmood Ahmad Bodla, PhD, Wayne State University, USA
- Dr. Talat Afza, PhD, Wyane State University, USA
- Dr. Ahmad Kaleem, PhD, Malaya University, Kaula Laumpur, Malaysia

Associate Professors
- Dr. Abdus Sattar Abbasi, PhD, NUML, Islamabad, Pakistan

Assistant Professors
- Dr. Abdul Haque, PhD, Hauzhong University of Science and Technology, Wuhan, China
- Dr. Hafiz Zahid Mahmood, PhD, Humbdolt University of Berlin, Germany
- Dr. Faisal Tahseen Shah, PhD, University of the Punjab, Pakistan
- Dr. Muhammad Khan, PhD, Federal Urdu University, Islamabad, Pakistan
- Dr. Waheed Akhtar, PhD, NUML Islamabad, Pakistan
- Dr. Yahya Rashid, PhD, University of British Columbia, Vancouver, Canada
- Dr. Asma Imran, PhD, Foundation University, Rawalpindi, Pakistan
- Dr. Ahmad Nawaz, PhD, University of Gottingen, Germany
- Dr. Zahera Waheed, PhD, Heriot-watt University, Edinburgh, UK
- Dr. Muhammad Shahbaz Shabbir, PhD, University of Malaya, Malaysia
- Dr. M. Ali Jibran Qamar, PhD, University of Gloucestershire, UK
- Dr. Muhammad Amir Rashid, PhD, University Technology Malaysia (UTM), Malaysia

Besides, 19 Assistant Professors, 21 Lecturers and 05 Research Associates are also part of this Department.

Abbottabad Campus

Professors
- Dr. Syed Amjad Farid Hasnu, PhD, University of Bradford, UK
- Dr. Khawaja Farooq Ahmad, PhD, University of Newcastle, UK

Associate Professors
- Dr. Kashif Rasheed, PhD, Victoria University of Melbourne, Australia

Assistant Professors
- Dr. Amjad Ali, PhD, Foundation University, Islamabad
- Dr. Imran Naseem, PhD, Qurtuba University of Science and Technology, D.I Khan, Pakistan
- Dr. Muhammad Saeed Lodhi, PhD, HRADEC KRALOVE University, Czech
- Dr. Osman Sadiq Paracha, PhD, University Technology Malaysia, Malaysia
- Dr. Mansoor Shahab, PhD, Graduate School of Chinese Academy of Sciences (GSCAS), Beijing, China
- Dr. Yasir Javed, PhD, Massey University, New Zealand

Besides, 13 Assistant Professors, 53 Lecturers and 01 Research Associate are also part of this Department.

Wah Campus

Advisors
- Dr. Mushtaq Ahmad, PhD, University of Wales, Australia

Associate Professors
- Dr. Saqib Gulzar, PhD, Harbin Institute of Information Technology, China
- Dr. Samina Nawab, PhD, Institute of Policy and Management, Beijing, China

Assistant Professors

- Dr. Abdul Qayyum Khan, PhD, University of Peshawar, Pakistan
- Dr. Adnan Tahir Qureshi, PhD, NUML, Islamabad, Pakistan
- Dr. Babur Wasim Arif, PhD, National Graduate Institute for Policy Studies Tokyo, Japan
- Dr. Syed Muhammad Ali Tirmizi, PhD, Foundation University, Islamabad, Pakistan
- Dr. Syed Mazhar Abbas Zaidi, PhD, Foundation University, Islamabad, Pakistan

Besides, 10 Assistant Professors, 23 Lecturers and 02 Research Associates are also part of this Department.

Attock Campus

Assistant Professors

- Dr. Muhammad Sajjad, PhD, Foundation University, Islamabad, Pakistan
- Dr. Shabir Hyder, PhD, Federal Urdu University, Islamabad, Pakistan
- Dr. Saddam Hussian, PhD, University of Peshawar, Pakistan
- Dr. Muhammad Imran Malik, PhD, Foundation University Islamabad, Pakistan
- Dr. Muhammad Shakil Ahmad, PhD, University Technology Malaysia, Malaysia
- Dr. Jamshaid Ahmed, PhD, Hamdard University, Karachi

Besides, 06 Assistant Professors, 18 Lecturers and 2 Research Associates are also part of this Department.

Sahiwal Campus

Assistant Professors

- Dr. Rashid Saeed, PhD, University of Agronomic

and Veterinary Sciences, Burchares, Romania
- Dr. Raja Irfan Sabir, PhD, Wuhan University of Technology, Wuhan, China
- Dr. Iram Batool, PhD, Pakistan Institute of Development Economics, Islamabad, Pakistan
- Dr. Hafiz Muhammad Arshad, PhD , Islamia University, Bahawalpur, Pakistan
- Dr. Muhammad Tahir Yaqoob, PhD , Bahauddin Zakariya University, Multan, Pakistan

Besides, 08 Assistant Professors, 23 Lecturers and 01 Research Associates are also part of this Department.

Vehari Campus

Assistant Professors

- Dr. Munir Ahmed, PhD, Bahauddin Zakariya University, Multan, Pakistan
- Dr. Asad Afzal Humayon, PhD, Foundation University Islamabad

Beside, 03 Assistant Professors, 18 Lecturers and 04 Research Associates are also part of this Department.

Department of Development Studies

As a premier institution of the region and on the

basis of a prioritized need assessment, CIIT expanded its role to encompass Development Studies as a separate department in 2004. Development Studies is an interdisciplinary field in which emphasis is placed on

the study of societies, economies and institutions of the developing countries, their inter-connectedness with the developed world and processes through which the international institutions and mechanisms impact upon the overall goals of development within a global context. After completing development studies programs, a lot of job opportunities can be availed in both national and international market.

Academic Programs Offered

Following undergraduate programs are being offered by the Department of Development Studies:

Bachelor of Science in Development Studies: BS (DS)

Entry Requirements
- Intermediate or equivalent with minimum of 50% marks (annual system) from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 132 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Abbottabad

Program Information

Bachelor of Science in Development Studies program has been designed in which students have

the option to specialize in any of the areas including rural development, environment and development, disaster management, gender and development and development project planning and management.

This program aims at providing prospective students with an:

- ► In-depth study of the current and emerging development paradigms, initiatives and debates
- ► Emphasis on sustainable development and its inter-connectedness and importance for Pakistan;
- ► Ability to approach and identify micro-development issues emerging from the broader context of globalization; economic and political transformation
- ► Project planning and management skills and ability to carry out and evaluate development programs using different planning and management tools;
- ► Knowledge and skills of conducting action research social surveys using different methods and techniques that lead to seek and evaluate new information in different but relevant contexts.

Master of Development Studies (MDS)

Entry Requirements
- Bachelor Degree (14-Years) or equivalent with minimum of 50% marks,from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 4 Semesters; 2 years
- Maximum: 6 Semesters; 3 years

Credit Hours Requirements
- Minimum 70 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Abbottabad

Program Information

Master of Development Studies program has been designed with specific focus on courses that mostly base on the emerging and contemporary current trends related to socio-economic development and interrelated spheres within the overall framework of sustainable development. The program has been designed in a way where it leads to professional advancement and increased options and opportunities in the private and public sectors of the regional, national and international markets. Students of this program have the option to specialize in any of the areas including rural development, environment and development, disaster management, gender and development and development project planning and management.

For those already employed, this program will provide them an opportunity to enhance their professional skills and will prepare them to take up higher positions with greater knowledge of field and broader mental vision.

Faculty Members
Abbottabad Campus

Professors
- Dr. Shehla Nasreen Amjad, PhD, University of Bradford, UK

Associate Professors
- Dr. Bahadar Nawab, PhD, Norwegian University of Life Sciences, Norway
- Dr. Musarrat Jabeen, PhD, University of Karachi, Pakistan

Assistant Professors
- Dr. Tahir Mehmood, PhD, Georg-August University, Goettingen, Germany
- Dr. Adnan Dogar, PhD, Ecoles Des Hautes Etudes En Sciences Sociales, France
- Dr. Zahid Hussain, PhD, Agriculture University Peshawar, Pakistan
- Dr. Arif Alam,PhD, University of Tokyo, Japan

Besides, 05 Assistant Professors, 03 Lecturers are also part of this Department.

Department of Humanities

The Department of Humanities at CIIT has the highly qualified faculty members of many different fields including English Language, English Literature, Applied Linguistics, Psychology, French, Islamic Studies, International Relations, and Pakistan Studies.

The Department offers world-class teaching and research, backed by the superb resources of the library, e-library and language laboratories. Such historic resources are linked to cutting-edge agendas in research and teaching, with an increasing emphasis on interdisciplinary study addressing practical, educational and personality

building issues significant to learners, educators, policy makers, communication professionals, and human resources managers. The Department of Humanities is continually pioneering new ways to teach and assess language, to research written discourse, and to teach writing for specific purposes.

Along with facilitating students to enhance effective English-usage at its best, the department plays a pivotal role in making students aware of their religious and moral values by teaching Islamic Studies, keeping track of the current political and social issues through courses of Pakistan Studies and International Relations, and making our youth aware of the humanitarian standards catering to their emotional well-being through Sociology and Psychology.

Academic Programs Offered

Following undergraduate programs are being offered by the Department of Humanities:

Bachelor of Science in Psychology: BS (Psychology)

Entry Requirements
- Twelve years of education or equivalent with minimum of 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 133 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Lahore and Islamabad

Program Information

Bachelor of Science in Psychology program offers an extensive and diverse selection of courses that are taught both in classroom settings and in the field. This program focuses on several psychological topics such as human development, abnormal psychology, childhood psychology, adolescent psychology, brain and behaviour, cognitive psychology, emotion and motivation, beginning statistics, general psychology, and social psychology, neuropsychological and environmental psychology.

Master of Arts in English: M.A (English)

Entry Requirements
- Bachelor Degree (14-Years) with English compulsory or equivalent with minimum of 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 4 Semesters; 2 years
- Maximum: 6 Semesters; 3 years

Credit Hours Requirements
- Minimum 69 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Vehari, Virtual Campus

Program Information

Master of Arts in English program is designed specifically for the students who want to attain a Master's level knowledge of English Language and Literature. The program covers the historical development of English, its various genres, through the ages. Moreover, it initiates learners into the theoretical grounding of literature and offers study of literary texts in their social and historical contexts, and ways of interpreting them, theories of learning and teaching language and modern concepts of linguistics. Through directed reading and focused discussion, students are offered the opportunity to develop their skills in textual analysis and to extend their awareness of different ways of reading and creative writing.

Associate Degree in Education: (ADE) (In-service)

Entry Requirements
- 12 years schooling (2nd Division or Equivalent/ FA/F.Sc./A Levels/ICS)
- 01 year professional training (CT or 18 months Diploma in Education or equivalent)
- Minimum 3 years teaching experience
- Valid NTS test score as per CIIT policy

Duration
- Minimum: 4 Semesters; 2 years
- Maximum: 6 Semesters; 3 years

Credit Hours Requirements
- Minimum 40 Cr. Hrs.

Offering Semester(s)
- Fall and Spring

Offering Campus(es)
- Virtual Campus

Program Information

The Associate Degree in Education (ADE) is a Teacher Education program designed to impart professional teaching to in-service teachers in order to hone their teaching potential and to further develop their pedagogical skills. The program is the first step towards developing and strengthening a community of well trained teachers at the elementary level. The focus of the program is to enhance general education and content knowledge of the practicing teachers, alongside inculcating effective and innovative teaching skills to augment the essential competencies of the teachers.

Faculty Members
Islamabad Campus

Principal Research Officer
- Dr. Aliya M. Zafar, PhD, University of Florida, USA

Advisors
- Dr. Amir Hamid Jafri, PhD, Oklahoma State University Stillwater, USA
- Dr. Samina Nadeem, Masters, University of Warwick, UK, PhD, QAU, Islamabad

Assistant Professors
- Dr. Tanveer Zara, PhD, University of Indiana, Bloomington, USA
- Dr. Azeema Voleger, PhD, University of Hawai Monoa, USA
- Dr. Mobeen Akhtar, PhD, University of Gottingen, Germany
- Dr. Farhat Nisar, PhD, NUML, Islamabad, Pakistan
- Dr. Najia Asrar Zaidi, PhD , University of Baluchistan, Quetta, Pakistan
- Dr. Fayyaz Ahmed Faize, PhD, International

Islamic University (IIU), Islamabad, Pakistan

Besides, 08 Assistant Professors, 18 Lecturers and 02 Research Associates are also part of this Department.

Lahore campus

Advisors

- Dr. Hina Qanber Abbasi, PhD, Moseon State University, Russia

Principal Research Officer

- Dr. Zulfaqar Ali Chughtai, PhD University of Sindh, Pakistan.

Assistant Professors

- Dr. Filza Waseem, PhD, National University of Modern Language, Islamabad, Pakistan
- Dr. Urooj Sadiq, PhD, University of Karachi, Pakistan
- Dr. Tahira Jabeen, PhD, University of Punjab, Lahore, Pakistan
- Dr. Khawar Bilal, PhD, University of Karachi, Pakistan
- Dr. Muhammad Zuabir, PhD, University of Punjab, Lahore, Pakistan
- Dr. Shameem Fatima, PhD, University of Punjab, Lahore. Pakistan

Besides, 05 Assistant Professors, 13 Lecturers are also part of this Department.

Abbottabad Campus

Professors

- Dr. Mushtaq Khan Jadoon, PhD, University of Groningen, Netherlands

Assistant Professors

- Dr. Zahid Shah, PhD, University of Peshawar, Pakistan
- Dr. Nasir Ali Khan, PhD, University of

Karachi, Pakistan
- Dr. Muhammad Shakeel Ahmad, PhD, Quaid i Azam University, Islamabad, Pakistan

Besides, 01 Assistant Professor and 18 Lecturers are also part of this Department.

Vehari Campus

Assistant Professors

- Dr. Abdul Razaq Azad, PhD, University of Karachi, Pakistan

Besides, 05 Lecturers are also part of this Department.

Faculty of Architecture and Design

The Department of Architecture falls under the Faculty of Architecture and Design.

Department of Architecture

The Department of Architecture at Islamabad Campus was launched in 2005, followed by its counterpart at Lahore Campus in 2007, with the aim of offering world-class quality education in the fields of art and design and architecture. By having perceptiveness for synergizing with critical thinkers and subject specialists, the faculty profile of the Department aspires to reflect a team having rich diversity of fresh and innovative ideas that can constitute attractive curriculum ensuring publishable and publicize-able work by the faculty and students. To achieve the set goal, Department gives priority attention for having prized faculty profile balancing established academics with vibrant associates and keen assistants and state-of-the-art academic facilities.

Department of Architecture realizes that the end-product of all efforts is its graduates and their work. To make academic programs at the Department qualitatively more appealing in a pursuit for attracting more informed students having substantiate-able interest for becoming sensitive, skillful and thinking artists, designers, and architects, the vision of the Department seeks to ensure high competitiveness at all levels – admissions, pedagogy, and faculty – to earn reputation for academic and intellectual independence by reiterating three necessary points – (i) Implementation of the concept of "Liberal Education", (ii) Development of "Intellectual Abilities", and (iii) Greater "Flexibility and Choice". By having a metaphoric openness for and from the contextual normality, the vision of the Department intends developing critical reflections that conciliate with the academic expectations for (a) Tackling indigenous/local needs, (b) Exposing students to national/international contexts and field experiences, and (c) Coming up with real strategies for real issues.

Academic Programs Offered

Following undergraduate programs are being offered by the Department of Architecture:

Bachelor of Architecture:
B. Arch

Entry Requirements
- Intermediate or equivalent with minimum 60% marks from an accredited institution
- Valid NTS test score as per CIIT policy
- All applicants need to appear in the departmental Creative Aptitude Test

Duration
- Minimum: 10 Semesters; 5 years
- Maximum: 15 Semesters; 7.5 years

Credit Hours Requirements
- Minimum 183 Cr. Hrs.

Offering Semester(s)
- Fall Only

Program Information

Bachelors of Architecture program produces architects, who understand that architecture is an integral part of the society's arts, are knowledgeable about the global and regional issues and trends, have deep understanding of their identity and the society and believe in the relevance of architecture towards a better future for all.

The courses in the Scheme of Studies of this Program are divided into three stages i.e. foundation, intermediate, and final, spread over ten semesters. The foundation level courses impart intensive training in verbal and graphic communication, logical thinking and the ability to theorize. The intermediate level courses ensure the ability to conceive a project as a whole, its forms, always invariably placed in a context of the street, city and culture, and as a functional entity to fulfil the needs for which it is to be built. The final stage enables the students to think independently, to better understand contextual issues of society, to determine for themselves the future directions of their development as architects, fully prepared for present time market demand.

Bachelor of Design: B. Des

Entry Requirements
- Intermediate or equivalent with minimum of 50% marks from anaccredited institution
- Valid NTS test score as per CIIT policy
- All applicants need to appear in the departmental Creative Aptitude Test

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 144 Cr. Hrs.

Offering Semester(s)
- Fall Only

Offering Campus(es)
- Islamabad, Lahore

Program Information

Bachelor of Design (B.Des) Program being offered at CIIT emphasizes creative, critical and strategic thinking, by synthesizing practice, theory and history to educate the design leaders of tomorrow. The department serves as creative constituency by offering a comprehensive university experience that addresses the social, cognitive, and technological implications of design practice while preparing our students for work in the profession and/or graduate study.

The courses of B.Design Program encourage and enable students to develop knowledge of the context in which design occurs. Students are helped to create a range of critical positions towards a definition of their own practice and its context. The foundation level imparts intensive training in verbal and graphic communication, logical thinking and the ability to theorize. In second year the students are encouraged to experiment creatively and critically. The philosophy is analytical and diagnostic with emphasis on solving visual communication problems through the development of original and often surprising solutions, rather than simply

focusing on technical media or applying formulaic solutions. The students will define their goals, experiments with ideas and challenge current practices to produce work that is outside commercial constraints. Students will be offered a choice of specialist areas at the beginning of their third year-advertising, design, illustration, moving image; or product design.

Bachelor of Fine Arts: BFA

Entry Requirements
- Intermediate or equivalent with minimum of 50% marks from an accredited institution
- Valid NTS test score as per CIIT policy
- All applicants need to appear in the departmental Creative Aptitude Test

Duration
- Minimum: 8 Semesters; 4 years
- Maximum: 12 Semesters; 6 years

Credit Hours Requirements
- Minimum 144 Cr. Hrs.

Offering Semester(s)
- Fall Only

Offering Campus(es)
- Lahore

Program Information

Bachelor of Fine Arts Program provides a link between Humanities and Sciences and is a service for the betterment of the society. The program places greater emphasis on integrated learning, which will produce artists capable to compete and succeed in the transforming world. We expect that our artists will open new art avenues while continue contributing to the existing local and international art world. The career paths for the graduates of this Program are art education, graphics, independent and freelance artists, art galleries, simulation, movies and digital art, media, publishing and printing, advertising, curators and managers, researchers and historians.

Faculty Members
Islamabad Campus

Professors
- Arch. Zain ul Abedin, MBA, Oxford Brookes University, UK

Advisors
- Ms. Nargis Khalid, MA, Rhode Island, USA

Associate Professors
- Dr. Shahida Mansoor, PhD, Tokyo National University of Fine Arts and Music, Japan
- Ar. Samra Mohsin Khan, MSc, Allama Iqbal Open University (AIOU), Islamabad, Pakistan
- Ar. Uzma Noreen Zain, MA, Oxford Brooks University, UK
- Ms. Farah Adnan, BFA, National College of Arts, Lahore, Pakistan
- Ms. Ayesha Asim Imdad, MA(Hons), National College of Arts, Lahore, Pakistan

Assistant Professors
- Ar. Kifayat Hussain, B. Arch, UET, Lahore, Pakistan
- Ar. Adnan Amin, B. Arch, National College of Arts, Lahore, Pakistan
- Ar. Faisal Arshad, B. Arch, UET, Lahore, Pakistan
- Ar. Syed Yawar Abbas Zaidi, MA , Kingston University, UK
- Ms. Samreen Asif, MA, University of Punjab, Lahore, Pakistan

Director, Center for Physical Planning and Research
- Ar. Tahir Banuri, M. Arch, UNSW, Australia; B.Arch, UET, Lahore, Pakistan

Consultant Architect, COMSIAN Consulting
- Ar. Arif Masood, B.Arch, NED University, Karachi, Pakistan

Besides, 12 Lecturers are also associated with the department.

Lahore Campus

Professors
- Dr. Khalid W. Bajwa, PhD University of Leuven, Belgium
- Ejaz Ahmed, M.Phil, EcoleNationaleSuperieure des Arts Decoratifs, Paris, France

Advisors
- Dr. RafiqA.MalikPhD, University of Sheffield, UK
- Mr. Hassan Shahnawaz Zaidi, T.I., MFA, University of Punjab, Lahore, Pakistan
- Mr. Shaukat NawazRaja, M.Arch, Ecole des Beaux Arts, Luminy, France
- Ms. YasmeenCheema, MA. Middle East Technical University Ankara, Turkey

Associate Professors
- Mr. Tariq Mahmood Sandhu, M.Arch, Carleton University, Canada

Assistant Professors
- Mr. Mubeen Ahmad, M.Arch, Erasmus University, Netherlands
- Mr. Mudassar Ahmad, B.Arch, UET, Lahore, Pakistan
- Mr. Masood Ahmad, MA, Birmingham City University, UK
- Mr. Zain ul Abideen, B.Design, National College of Arts, Lahore, Pakistan

- Mr. Muhammad Ashraf, MA, University of East London, UK.
- Ms. Sadia Farooq, BFA, National College of Arts, Lahore, Pakistan
- Ms. Zamania Aslam, MFA, University of Punjab, Lahore, Pakistan
- Mr. Syed Shahzeb Ahmad, MFA, College of Art and Design, University of Punjab, Lahore, Pakistan

Besides, 09 Lecturers are also associated with this department.

Chapter 4

Admissions & Contacts

Admissions and Contacts

Admission in CIIT is competitive, but those who come here enjoy the benefits of excellent resources, a multi-campus environment, and a lively and bustling student life. Admission to various degree programs is open to all eligible candidates without discrimination of any kind. Our guiding principle is that of equal opportunities for all and for this reason, all admissions are regulated on the basis of merit.

Application Procedure

Applications are made in response to the admission notices in the press. Admissions are conducted according to an admission schedule, which is prominently displayed in these admissions notices. The procedure consists of following steps:

1) Online Admission Application

➤ Candidates are required to apply on CIIT Online Admission System by following the link http:// admissions.comsats.edu.pk.

> **Note:** For Virtual Campus, please visit http: // admissions. comsats.edu.pk/vc

● After submitting the online application, the printed copy of the same along with the required documents, as mentioned in Online Admission Portal, must be submitted at the concerned Campus either by hand or mail with in due date of admissions. Candidate may mention three program preferences for admission on one application form.

> **Note:** Applicants seeking admission in Virtual Campus can submit their documents in selected study centers or can post the document to Virtual Campus secretariat in Islamabad.

➤ All admissions at CIIT will be offered provisionally and will be confirmed once all the desired formalities are met and all the

required documents are submitted by the student.

► In case the final result of previous examination is awaited, then provision of a Hope Certificate'/affidavits (if applicable), from the school/college last attended can provide the basis for a conditional provisional offer of admission at CIIT. This provisional offer is confirmed once the final result has been submitted and eligibility criteria fully met and all the other desired formalities are met, including the submission of required documents by the student. A specimen of a 'Hope Certificate' is available on the Admission portal.

► Admission applications must be submitted withindue date advertised at the time ofadmission. Late submission shall not be entertained.

► Candidates must check the eligibility criteria before submitting their online application forms to confirm that they are academically eligible for admission into the program of their choice.

2) Entrance Test

Applicants are needed to have valid relevnt NTS Test score (NAT-I/ NAT-II) at the time of application. However, after the last date of submission of Admission Forms, entrance testwill be conducted by NTS according to the admission schedule OR on a given date as notified by NTS through their website: www.nts.org.pk and the print media. All admissions shall be regulated on the basis of merit determined by the weightage criteria as mentioned below:

Degree Programs	Percentage Weightage
For Bachelor Degree	
Matric or equivalent	10%
Intermediate or equivalent	40%
NTS Test	50%

For Master Degree:

Matric or equivalent	10%
Intermediate or equivalent	15%
Bachelor or equivalent	30%
NTS Test	45%

The additional admission criterion for B.Arch and B.Desprograms is as below:

➤ 30% weightage of General merit (including matric, intermediate and NTS score)

➤ 50% weightage of Drawing Test

➤ 20% weightage of Interview

3) Merit List

A list of shortlisted candidates is displayed on specified dates on the campus notice boards as well as on the CIIT website by the respective Admissions Offices. However, applicants are urged to make a proactive effort to know the status of their application for admission by either visiting the concerned campus or CIIT's website.

4) Interview

Shortlisted candidates along with parents/guardians may be asked to appear for interviews in respective departments to ascertain their suitability in the program in which admission is being sought.

5) Verification of Documents

Shortlisted candidates will be asked to bring the following documents to the Admissions Office for verification within a specified time frame:

➤ Original Certificates/Detailed Mark Sheets of matric or equivalent examination, intermediate or equivalent examination, and graduate degree or its equivalent examination (if applicable), with two attested photocopies of each.

➤ Original Equivalence Certificate along with two attested photocopies.

➤ Original Migration Certificate along with two photocopies.

➤ Original Hope Certificate with two

- attested photocopies or Affidavit (if applicable).

- ► Undertaking on Stamp Paper, by the student and guardian to abide by the rules and regulations of the Institute (pattern is given in the prospectus).

- ► National Identity Card (or 'B' Form) along with two attested photocopies.

- ► Two passport size photographs attested from the back side. Also the name, guardian's name, and program applied for should be clearly printed on the back of the photographs.

6) Display of Merit List and Admission Offer Letter

The final merit list is displayed on the departmental notice boards as well as on CIIT website.After initial scrutiny of the documents, selected candidate will be issued "Provisional Admission Offer Letter" along with a Bank Challan Form for payment of dues.

7) Provisional Admissions

All admissions at CIIT will be offered provisionally and will be confirmed once all the desired formalities are met and all the required documents are submitted by the student.

Candidates applying on the basis of Hope Certificate are also conditionally provisionally admitted and must ensure that their results are received in the admission office of concerned campus within 20 teaching days after the commencement of the semester; otherwise their admission will be cancelled. Those getting admission on Hope Certificate/Affidavit, if could not obtain the minimum qualifying marks or failed to submit in time the equivalence certificate of foreign qualification/ examination, on the basis of which they applied for admission, shall have no right to continue their studies and their admissions shall stand cancelled whenever identified.

8) Acceptance of Provisional Admission Offer

Selected candidates are required to accept their Provisional Admission Offer by submitting the signed letter in this regard together with paying the non-refundable admission and tuition fee within the specified dates. Provisional admission will only be confirmed, through a letter, once the payment of fee is confirmed and all the desired documents have been submitted by the student, verified and candidate

has been found eligibile for admission. If candidates fail to confirm enrolment by the given deadline, selection will stand cancelled and the seat will be offered to the next candidate on the waiting list.

Orientation Session

CIIT schedules an Orientation session for all new students to welcome and acquaint them with general policies and services of the Institute. Registration for courses is also completed at this time. Attendance at this session is mandatory. This is a good chance for students to become familiar with their new environment as well as interact with instructors and their peers.

Financial Support

CIIT is providing various opportunities for winning fully funded scholarships and financial support to its students, admitted in the degree programson purely merit basis.Financial Support Programs (FSPs) at CIIT support various categories of students in the form of scholarships, stipends, financial support, Qarz-e-Hasna etc. The Institute takes special care of its students and plays vital role to resolve the financial problems of its

students. Financial Assistance is available to all students who prove to be needy regardless of race, religion, color, national origin, age or sex. The various types of Financial Assistance Programs being provided at CIIT, for its students, are as follows:

1. Need Based Financial Support Program (NBFSP)

- ➤ HEC Need-Based Scholarships
- ➤ National ICT R&D Fund Scholarships
- ➤ French Need Based Scholarships
- ➤ CIITEF Scholarships
- ➤ German Need-Based Scholarships
- ➤ Pak-USAID Merit Need-Based Scholarships

2. Financial Assistance Program

- ➤ Punjab Education Endowment Fund (PEEF) Scholarship
- ➤ 30% seats reserved in each discipline for the children of Punjab Workers Welfare Board at Lahore campus.
- ➤ Financial Assistance for walk in needy Students

3. CIIT Financial Support Program: Qarz-e-Hasna

The needy students may also apply for Qarz-e-Hasna which is implemented

under CIIT Qarz-e-Hasna Rules, 2013. A student granted admission on merit, is not an employee anywhere, and unable to pay the fees due to financial constraints can benefit under this financial support. The maximum period for complete repayment of the Qarz-Hasna is Ten years from the day of disbursement of first instalment. Further details and pre-requisities may be obtained from campus admission offices.

4. CIIT Pecuniary Program (CPP): Kinship / Siblings Pecuniary

When two or more siblings are concurrently students of CIIT, the siblings will be financially supported. A financial support of uptoRs. 8,000/- per semester will be provided to all the siblings provided the parents cannot afford to pay the fee and the students show good academic performance. Such cases will be decided by the Financial Support Program Committee (FSPC) at respective Campus.

5. Academic Excellence Recognition Program

Students who demonstrate academic excellence by achieving outstanding positions (First Three) at the end of the semester in each degree program on a campus shall be awarded merit certificates.

Note: Please contact campus admission offices for more campus-specific details of financial support programs.

International Students

CIIT welcomes international students from all over the world. In order to provide opportunities to get quality higher educationto the international students,CIIT offers scholarships to various foreign governments and organizations to enable their nominees to study at CIIT.The interested students can get all relevant information from Office of International Students Affairs (OISA) at CIIT.

International students can get admission in different graduate and undergraduate degree programs. Currently, majority of international students enrolled at CIIT are from Nigeria, Sudan, Jordan, Iran, Afghanistan, Palestine, Mauritius, and Somalia.

For Admission and application procedure please visit www.comsats.edu.pk and select International Students tab .OR. http://ww3.comsats.edu.pk/internationalstudents/

➤ **Eligibility Criteria for Undergraduate Degree Programs:** Same eligibility criteria aaply to international students as given

above except they are exempted of NTS test.

➤ **Submission of Application Form and Documents:** The prospective students should submit scanned copies of their documents along with all requisite credentials at int.admissions@comsats.edu.pk latest by application submission date. The CIIT shall process the admission requests within stipulated time frame and will issue provisional admission offer (if found suitable), subject to confirmation on student's arrival for registration, payment of required dues and charges and on submission of required documents.

➤ **Visa Requirement:** International students need a Student Visa before traveling to Pakistan. Once a provisional offer letter has been issued to study at CIIT, Islamabad (Pakistan), he/she should immediately apply for his/her student visa for Pakistan by sending copies of admission offer letter, passport and other relevant documents to the nearest Pakistani Embassy or Consulate General for visa issuance. Further information is available at web link of Higher Education Commission; http://www.hec.gov.pk/insideHEC/divisions/AECA

➤ **English Language Test Requirements:** CIIT Pakistan accepts the following credentials of international students to satisfy the minimum English Language requirements for entry to a degree programs:

➤ TOEFL minimum score of 500 (PBT) or 177 (CBT) or 60 (iBT)   OR

➤ IELTS minimum 5.0 band (Academic Module) OR

➤ English Proficiency Certificate from the Last attended Institution

Only original and valid TOEFL or IELTS (Academics) certificates (not more than two years old from last date of application submission) will be accepted.

➤ **Visiting Scholars:** CIIT provides excellent facilities and research opportunities to International Scholars from accredited international universities and institutions of higher education, who wat to spend 1-2 semesters at CIIT for study or research. Application form and detail information is available at http://ww3.comsats.edu.pk/internationalstudents/

- ► **Accommodation:** CIIT is committed to facilitate international students through provision of comfortable accommodation, which includes all basic amenities, and an opportunity to interact, live and study with students from different backgrounds. The student accommodation would be ensure a quieter living and study environment.

CIIT Campuses Map Guide

CIIT Islamabad

CIIT Islamabad campus is accessible via Rawalpindi and Islamabad. From Rawalpindi take the Murree road crossing Faizabad chowk and heading straight towards Rawal Chowk. Take right to and take Park Road that will lead you to the splendid campus of CIIT located on the right side after 10 minutes drive.

From within Islamabad follow any route connecting to Zero point and then take the Islamabad highway. After reaching Faizabad chowk take left and you will be heading towards Rawal chowk. After having reached to the Rawal Chowk, take right and take Park Road that will lead you to the splendid campus of

CIIT located on the right side after 10 minutes drive.

CIIT Abbottabad

Taking the route of Wah from Islamabad you will be crossing Wah, Hasanabdal and Hawalian to enter the main city of Abbottabad. Then on following the road leading to Military Academy Kakul will give you a sight to CIIT Abbottabad campus.

CIIT Wah

Starting from Islamabad, take the road to Taxila. After crossing Taxila underpass, take "u" turn in front of POF barrier No. 5 and move back towards Taxila. Drive furtherfor 200 meters on G.T. Road, where CIIT wah campus is situated on left side of the road.

CIIT Lahore

Starting from Islamabad follow motorway route to Lahore. On reaching Lahore take Canal road i.e. near to Tokhar Niaz Baig chowk. From the roundabout turn towards the Raiwind road, at the end of the road, turn on right for Defence road on which the Lahore CIIT campus is situated.

CIIT Attock

Starting from Islamabad towards Peshawar on Grand Trunk Road, after

crossing Wah and Hassanabdal, PAF Aeronautical Complex Kamra will be reached. At Kamra, from Qutba Chowk take the left road. Then following the Kamra Road again take left from the crossing to enter Attock City where CIIT's Campus is located on the right side before entering into the main city.

CIIT Sahiwal

Following the motorway route or Grand Trunk Road from Islamabad to Lahore, further take the road from Lahore to Multan to approach Sahiwal city. On arrival at Sahiwal city, take the Tufail Shaheed Road and after crossing Over Head Bridge, move towards Police Lines to reach Jail road, where CIIT Sahiwal Campus is situated.

CIIT Vehari

From Multan, take the Multan road to reach Vehari campus located near Peer Murad Adda on the right side of the road.

From Burewala, take the Burewala road to reach "V" chowk, and from there gear on to Multan road to reach Vehari campus located near Peer Murad Adda on the left side of the road.

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