

UNDERGRADUATE
PROSPECTUS
2015 - 16



COMSATS Institute of Information Technology



Disclaimer

Every effort has been made to ensure that the information in this Undergraduate Prospectus 2015-16 is correct at the time of printing. The COMSATS Institute of Information Technology, however, reserves the right to make changes wherever and whenever necessary. In the event of inconsistency between the information contained in this prospectus and the Institute's regulations or programs, or where an interpretation of the prospectus is required, the decision of the Institute shall be final. The prospectus does not form any part of a contract between any person and the Institute.



GREETINGS from the **RECTOR**

Dr. S. M. Junaid Zaidi, H.I., S.I.
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 fourteen years, CIIT has developed into one of the largest multi-disciplinary universities 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 35,450 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 2,887 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.

Since 2006, CIIT has consistently earned the singular honour of being ranked among top 10 institutions of higher education in the country on account of research output by its qualified faculty and in year 2012, the Higher Education Commission (HEC) ranked CIIT at number 3 position based on the Research Publications in accredited databases of Thomson–Reuters Web of Science. Besides, CIIT has also been ranked at No. 1 in the Computer Science and IT category by HEC in 2012. Further, 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, awarded three stars (out of a total of five) to CIIT. The award was announced during a QS conference held in Seoul, South Korea in 2013. Another joyous moment for CIIT was when it attained position in QS Asian University Rankings 2014 for the first time. It was placed in 201-250 range of top Asian Universities.

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 qua non of a modern, tolerant, pluralistic and developed Pakistan. I am proud to report that CIIT has already contributed more than 28,820 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.

Contents

Chapter 1: introduction

Welcome to CIIT	09
Charter of Degree Awarding Institute (DAI)	13
Board of Governors	15
Mission	17
Achievements	17
Faculties, Departments and Centers	26
Academic Programs	27

Chapter 2: Campuses

Islamabad Campus	32
Abbottabad Campus	41
Wah Campus	46
Lahore Campus	52
Attock Campus	59
Sahiwal Campus	66
Vehari Campus	72
Virtual Campus	77

Chapter 3: Academics

Faculties, Departments and Programs	85
Faculty of Information Sciences and Technology	86
Department of Computer Science	87
Bachelor of Science in Computer Science	87
Bachelor of Science in Telecommunication and Networking	87
Bachelor of Science in Software Engineering	88
Master of Computer Science	88
Faculty of Science	94
Department of Biosciences	95
Bachelor of Science in Bioinformatics	95
Bachelor of Science in Biosciences	96
Department of Earth Sciences	98
Bachelor of Science in Earth Sciences	99
Department of Environmental Sciences	100
Bachelor of Science in Environmental Sciences	100
Bachelor of Science in Biotechnology	101
Department of Mathematics	103
Bachelor of Science in Mathematics	104
Master of Mathematics	105
Department of Physics	109
Bachelor of Science in Electronics	109
Bachelor of Science in Physics	110
Department of Pharmacy	113
Doctor of Pharmacy	113

Faculty of Engineering	115
Department of Electrical Engineering	116
Bachelor of Science in Electrical (Computer) Engineering	116
Bachelor of Science in Electrical (Telecommunication) Engineering	116
Bachelor of Science in Electrical (Electronics) Engineering	117
Bachelor of Science in Electrical (Power) Engineering	117
Bachelor of Science in Electrical Engineering	118
Bachelor of Science in Computer Engineering	118
Center for Advanced Studies in Telecommunication (CAST) at CIIT Islamabad Campus	121
Department of Chemical Engineering	123
Bachelor of Science in Chemical Engineering	123
Department of Mechanical Engineering	124
Bachelor of Science in Mechanical Engineering	124
Department of Civil Engineering	125
Bachelor of Science in Civil Engineering	126
Faculty of Business Administration	127
Department of Management Sciences	128
Bachelor of Science in Business Administration	128
Bachelor of Science in Accounting and Finance	129
Bachelor of Science in Economics	129
Bachelor of Business Studies	130
Master of Public Administration	130
Master of Economics	131
Master of Business Administration (Executive, 2-Years)	131
Department of Development Studies	135
Bachelor of Science in Development Studies	135
Master of Development Studies	135
Department of Humanities	136
Bachelor of Science in Psychology	137
Master of Arts in English	138
Associate Degree in Education	138
Faculty of Architecture and Design	141
Department of Architecture	142
Bachelor of Architecture	142
Bachelor of Design	143
Bachelor of Fine Arts	143
 Chapter 4: Admissions and Contacts	
Application Procedure	149
Financial Support	151
International Students	152
CIIT Campuses Map Guide	156
Contacts	158

The background is a solid green color. It features several overlapping circles of different shades of green and yellow. A large, light yellow circle is centered on the page. To its right, there is a medium-sized green circle and a smaller yellow circle. Above the large yellow circle, there is a medium-sized light green circle. In the top right corner, there is a large yellow circle. The text "Chapter I: INTRODUCTION" is centered within the large yellow circle.

Chapter I:

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.

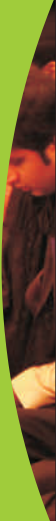
The year 1999 marked the beginning of regular classes in Bachelor of Science in Computer Science, Bachelor of Science in Computer Engineering and Master of Software Engineering. CIIT was affiliated with Sir Syed University of Engineering and Technology, Karachi. Admissions were announced and the faculty 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 were established 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 work on establishment of more campuses is in progress particularly in the province of Sindh and Balochistan. 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 eight campuses in different cities including a distance learning campus, six faculties and 18 departments, offering around 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 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 Federal Education and Professional 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 & Technology for Sustainable Development in South (COMSATS)

Chairman

Secretary, Ministry of Science and Technology, Islamabad or his nominee

Member

Secretary, Ministry of Federal Education and Professional Training, 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

Members

Rector, COMSATS Institute of Information Technology

Member

Campus Directors, COMSATS Institute of Information Technology

Members

Two Deans of Faculties of COMSATS Institute of Information Technology nominated by the Managing Committee of the COMSATS

Members

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 the journey continues, the Institute's commitment in transforming it into an excellent institution of academic learning and research is unyielding. 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. Its agenda is to promote a multi cultural and globally aware environment.

Linkages with National and International Institutions

The CIIT in its brief history of fourteen years has made landmark achievements by signing more than 200 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.

Quality Enhancement Cell

At CIIT, we are always in the exciting process of dynamic change. 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.



3rd Vice Chancellor's Forum 2015

The 3rd Vice Chancellors' Forum, bearing the theme 'Universities in the Islamic World: Facing Global Challenges' was held in Islamabad, from February 23-24, 2015. The event was jointly organized by COMSATS Institute of Information Technology (CIIT), Pakistan; Ministry of Science and Technology, Government of Pakistan; Ministry of Federal Education and Professional Trainings, Government of Pakistan; Higher Education Commission (HEC), Pakistan; Islamic Educational, Scientific and Cultural Organization (ISESCO), Morocco; and the Federation of the Universities of the Islamic World, Morocco.

The objective of the Forum is to provide a platform to the university leaders in the Islamic world in forging linkages for initiating joint academic programs; promoting research; pooling resources; offering scholarships; promoting exchange of students and faculty; as well as establishing centers of excellence. Around 180 heads of universities from Muslims countries participated in the event including Pakistan, Afghanistan, Bangladesh, Brunei Darussalam, Algeria, Cameroon, Egypt, Indonesia, Iran, Iraq, Jordan, Kyrgyz Republic, Libya, Malaysia, Niger, Nigeria, Sudan, Tunisia, Turkey, Uganda, Yemen, Gambia, Jordan, and other Muslim universities.

The event was inaugurated by the Federal Minister for Planning and Development, Mr. Ahsan Iqbal, who, in his keynote address, said that leaders of the academia are the future of this world and that developing new models of education is a challenge for universities. Speaking on occasion, Chairman HEC, Prof. Dr. Mukhtar Ahmed, gave an overview of VC Forum and welcomed

the heads of the Islamic universities. In his remarks, he emphasized on providing quality education to the youth.

Rector CIIT, Dr. S. M. Junaid Zaidi, H.I., S.I. thanked the representatives of the various universities for attending the forum. He was of the opinion that many of the challenges faced by the academia in the developing world can be met locally and with cooperation among these countries, provided that due efforts and investment in education are made. Assistant Secretary General OIC, Ambassador Muhammad Naeem Khan and Deputy Director General ISESCO, Dr. Amina also spoke on the occasion.

Touching upon different disciplines covering a wide range of issues and challenges being faced by the universities in the Islamic world, multiple panel discussions concluded the two-day event. Some major topics covered in these discussions included: Fostering Links with Community, Sustainable Higher Education Systems, Sharing of Knowledge and Fostering Collaboration, Higher Education, Innovation and Entrepreneurship, International Landscape: Role of University Leadership, Higher Education: New Visions for Future, Role of Higher Education in Economic Revitalization, Mapping International Research Collaboration-Future Trends, Equality of Access and Role of Women in Higher Education and in Society, as well as Partnering with Industry.

Over 70 different Memorandum of Understanding (MoUs) were signed among various International and Pakistani universities, including CIIT. An exhibition was also arranged which provided an excellent opportunity to universities/ higher education institutions to showcase their respective areas of strength.

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 Faculty 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 2014 are 4,357. 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	94 9
2014	819
Total	4,357

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

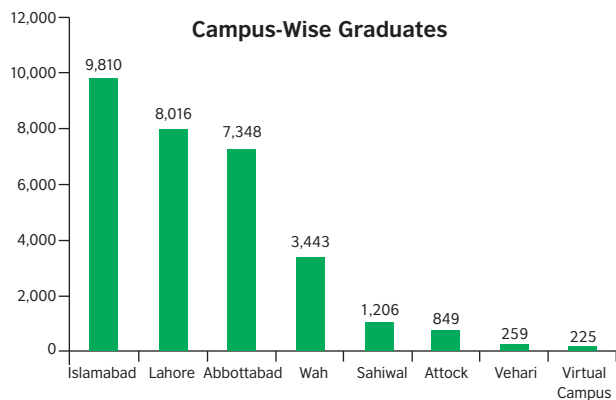
The Ministry of Science and Technology taking benefit of CIIT being a Regional CISCO Networking Academy has launched a project for the establishment of ten CISCO Local Networking Academies in public and private sector universities. The initiative has been successful in newly established networking academies, 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 31,156 students have been successfully graduated from eight campuses of CIIT as shown in below chart:



Ranking

Since its inception, independent entities have evaluated 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.

CIIT attained position in Quacquarelli Symonds (QS) Asian

University Rankings 2014 for the first time. QS is an international ranking body that critically evaluates and publicizes World and Asian University Rankings, which is based on the quality criteria of the institutions including Asian Academic Peer Review, 30%, Asian Employer Review, 10%, Papers per Faculty, 15%, Citations per Paper, 15%, Faculty Student Ratio, 20%, International Students, 2.5%, International Faculty, 2.5%, Inbound Exchange Students, 2.5% and Outbound Exchange Students 2.5%. CIIT attained position in 201-250 range of top Asian Universities based on above parameters.

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.

In 2012, CIIT was ranked as number one (1) university of Pakistan in Computer Science and IT 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. Besides, CIIT has also been placed at number three position based on the Research Publications in accredited databases of Thomson–Reuters Web of Science for 2012 as notified by HEC.



QS O3 Star Ranking

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

Five Stars in Teaching

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

Five Stars in Learning Facilities

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

Five Stars 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.

Three Stars in Internationalisation

CIIT students have the opportunity to engage with high level, collaborative academic research with partner institutions across the globe.

Overall, CIIT was rated as a THREE STAR(*) Institution.**



Faculties, Departments, and Centers

So far, the following 06 Faculties, 18 Departments and 10 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)
 - Energy Research Center
- 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-campus 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, and Vehari together with its Virtual Campus. Presently, the Institute in the respective campuses offers the following undergraduate degree programs:

Undergraduate Degree Programs for 2015-2016

#	Academic Programs	Campuses							Virtual Campus
		Islamabad	Abbottabad	Wah	Lahore	Attock	Sahiwal	Vehari	
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	🎓	🎓						

#	Academic Programs	Campuses							
		Islamabad	Abbottabad	Wah	Lahore	Attock	Sahiwal	Vehari	Virtual Campus
16	Electrical (Electronics) Engineering	✎	✎		✎				
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 in									
38	Education (ADE) (In-Service)								✎



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 37,570 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



Virtual Campus

The work on establishment of more campuses is in progress particularly in the provinces of Sindh and Baluchistan. 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

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 of CIIT is situated at Chak Shahazad, Islamabad. Currently more than 7,908 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. It is a marvel of modern architecture surrounded by a lush green environment and peaceful surroundings.



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

Lecture Rooms

CIIT Islamabad has 74 spacious lecture theatres, with a total covered area of 49,318.81sq ft. Each theatre has a capacity for 100-120 students. All lecture theatres are IT enabled, air-conditioned, well furnished, and well maintained.

Laboratories

The Campus has deployed state-of-the-art IT infrastructure with a total number of 50 laboratories with a total covered area of 53,587.75 sq ft. More than 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 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 50,000 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.



Library is equipped with most modern technologies like RFID System and Library Management System and 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.

The library is also providing complete 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 could also be offered for the use of students as per the policy of CIIT. 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 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.

- **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 inter-library 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.

Hostels

Although Islamabad Campus does not have dormitories on Campus; it has arranged rented hostel accommodation for 296 male and 250 female students. Further information on residential facilities is available from the Provost Office at the Islamabad Campus.

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.

Cafeteria

A food-street style catering service consisting of shops and kiosks having 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 1500 persons can pray inside the mosque. Now a landmark mosque on Islamabad Campus is available to accommodate more than 3,000 people, with separate facility for females and people with special needs.

Photocopying Facility

The photocopy center is working on subsidized rates. The photocopy centre has also the facility of spiral binding, stapler binding and hard binding.

Extra-Curricular Activities

Extensive extra-curricular 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 was established to provide a platform for CIIT students 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

Electronic Society provides 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 sorts of sports competitions 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

Wherever you are in your academic career, freshmen through PhD, we are here to help you navigate your career during your years at CIIT, from choosing a major, to exploring different career options, to finding internships, to looking for part-time and full-time employment through Career Development Center. COMSATS Institute of Information Technology, through Career Development Center, 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, we aim to initiate 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, our 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
- i) Campus interviews and employer contacts

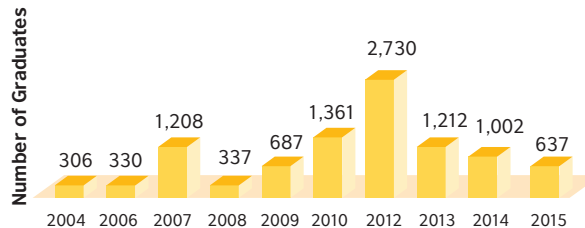
Student Center

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 Centre is being managed by the department of Students Affairs and Career Development Centre. Student Financial Assistance office is also part of the Student Centre 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 queries of student are dealt here with the slogan of one window operation. The Student Centre works as a bridge between students and other departments. Students submit their requests within friendly atmosphere of the Student Centre and a ticket is issued in response to their query for future reference. The staff at the Student Centre not only provides appropriate guidance to students but also forwards their requests to the concerned departments. In case 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 9,810 graduates. So far, 18 convocations have been organized.

ISLAMABAD CONVOCATIONS



ISO Certification

CIIT, Islamabad Campus is an ISO Certified education organization that means practices followed in the campus are of global standards. This certification along with other accreditations ensures that quality of education is of international acceptance and administrative practices are also generally recognized.

There is an office of the Management Representative (MR) whose major task is to provide assistance to allied departments within an education organization to develop, implement and continuously improve procedures and activates related to the quality management system. The MR ensures that all academic and non-academic functions are in line with Quality Policy of CIIT.

Cubator 1ne

The Cubator 1ne (COMSATS University Incubator 1) is a venture of COMSATS Institute of Information Technology. With a capacity to incubate 35 firms, Cubator 1ne provides impetus to business ideas by giving them a conducive environment, expert advice, mobilization of resources as well as the right networking opportunities.

Your business endeavor will hatch out of its shell and will become a growing and thriving venture once we help you 'match' the right amount of – ideas, money, hard work, networking, publicity and advice. CIIT's success story is a telling example that this is possible. The vision of cubator 1ne is to be 'the 1st choice' of entrepreneurs for a wide range of business services and facilities creating a beneficial atmosphere.



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 5500 students, 16 undergraduate programs, qualified faculty strength of 630 including 202 PhDs, and 79 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.



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 666 male and 110 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. Cultural and traditional norms are strictly followed in the hostels.

COMSATS Community Development Unit (CCDU)

COMSATS Community Development Unit (CCDU) is an integral part of Abbottabad Campus. is engaged in the provision of quality consultancy services to different organizations in the specialized fields of management, organizational development, finance, restructuring, 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 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 27,185 books and is growing rapidly. It subscribes to more than 20 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.

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 which 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.

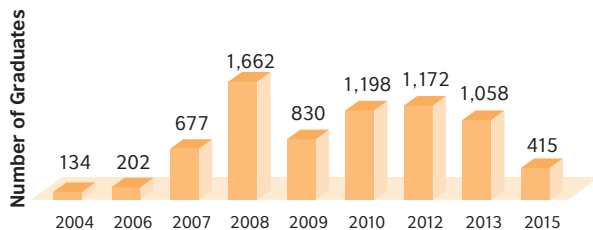
Clubs and Societies

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 7,348 graduates. So far, 15 convocations have been organized.

ABBOTTABAD CONVOCATIONS



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 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 measuring 96 Kanals. 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, Haripur 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 500 state-of-the-art computers and laptop connected through LAN, WAN and PERN:

- **Computer Science:**
Seven Computer Labs are being established and are used by the students specifically for Research and Final Year Project Labs (FYP).
- **Research/Post Graduate Laboratory:**
A Research/Post Graduate Lab. has been established in collaboration with ZONG (CMPAK) and CIIT Wah. M/s. ZONG has provided 30 Nos. PC Units with latest know how.
- **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.
- **Establishment of Electrical Engineering Research Laboratory:**



Universal Service Fund awarded contracts of Rawalpindi Telecom Region (RTR) and Northern Telecom Region (NTR-1) for provision of broadband services to PTCL. Through RTR Project broadband services will be provided in five Districts and 130 Educational Broadband Centres (EBCs) and 16 Community Broadband Centres will be established. CIIT Wah Campus is taken as "Model Centre". Five Computers along with all accessories including necessary furniture has been provided for this Research Lab by PTCL.

- **Civil Engineering:**
Structure, Engineering Geology, Soil Mechanics, Fluid Mechanics, Survey and Transportation laboratories are available.

The above laboratories have state-of-the-art equipment to give practical exposure to the students. Proper Lab. 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 21,000 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.

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.

Campus Management Solution

CUOnline 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, marks and uploading the reading material for students, fee vouchers,

result cards and progress reports are generated by CUOnline. 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.

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.

Student Week

Considering the importance of sports in an academic institution, there are a number of activities are 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 including Culture Day are arranged. The Institute also actively participate at national level mega events and has earned many laurels.

Adventure Club

Adventure club has been established at CIIT Wah that arranges a variety of outdoor activities. Different clubs have been created under adventure club such as hiking, trekking, photography, shooting, camping and rowing, etc.

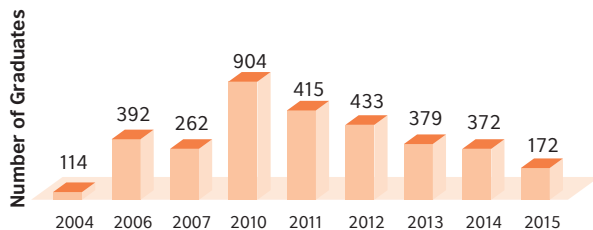
Visio Spark

The Computer Science Department of this institute conducts its annual national level mega event titled “VisioSpark”. The students from various national educational universities/institutions participate. The aim of conduct of event is to provide opportunity to students to upgrade, polish, discuss and enhance their intellectual and research skills. VisioSpark also provides a platform to students where they share their research skills, ideas and views. CIIT Wah Campus is a centre of excellence in computing where rigorous software development activities are part of daily routine. This mega event is a step towards enforcing the commitment of CIIT Wah Campus for the development of information Technology and other Computer Science related fields in Pakistan.

Celebrating Success

Since its inception, CIIT Wah Campus has produced 3,443 graduates. So far, 17 convocations have been organized.

WAH CONVOCATIONS



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 constructed area of 479,141 sq ft.

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, 5,100 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 Engineering	BS (CE)
Computer Science	BS (CS)
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 717 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, six coaches and two hiace vans have been arranged to provide this service on subsidized rates.

Lecture Rooms

The campus has 64 spacious and furnished lecture rooms, majority of which are 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 24,114 books, 53 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 text 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 particularly the researchers of CIIT Lahore.



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.

Students Services Center (SSC)

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.

Job Placement Cell (JPC)

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.

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 qirat 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 bring awareness among students about the latest technologies, to improve their IT knowledge polishing their skills and conducting workshops, seminars and competitions inviting IT professionals.

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 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.

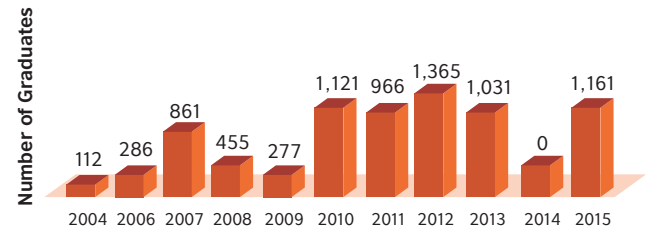
Seminars

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 from corporate and industrial sectors are regularly invited to the campus in order to share their practical wisdom and experiences with the students.

Celebrating Success

Since its inception, CIIT Lahore has produced 8,016 graduates. So far, 18 convocations have been organized.

LAHORE CONVOCATIONS



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 Pakhtunkhwa. 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, around 1800 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

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 7,550 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

CIIT Attock Campus has newly build Mosque with 6400 sq. ft. covered area and capacity of 500 individuals. The sound of the 'Azan' adds a sobriety to our Campus atmosphere.

Cafeteria

Proper cafeterias have 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. Nine 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 530 males and 100 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 instruments and 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 the 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 and Industrial Electronic 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

Attock Campus has Cricket Ground of international standard and has an honour to organize 1st Inter-campus 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 the art exercise machines. There is also facility of playing table tennis indoor.

Seminars/Workshops and Symposium

Research Innovation in IT and Engineering (RIITE) and COMBITS are regular event jointly organized by the Electrical Engineering and Computer Science Departments of CIIT Attock Campus. The objective of these events is to establish a network among the seasoned and new researchers of the country. This platform provides faculty members a forum for exploring mutual research interests and also enabled them to chalk out possibilities of research collaborations between academia and the industry. Moreover, such events provide PhD students a platform where they can present their research initiatives and get valuable feedback from the research community.



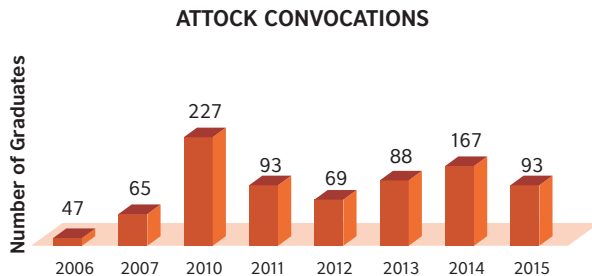
Renowned scholars from major universities and representatives of various industries including Pakistan Aeronautical Complex (PAC), Kamra, Pakistan Ordnance Factory (POF) Wah Cantt and National Engineering and Scientific Commission (NESCOM) are invited to deliver technical presentations. This activity helped in bridging the research collaboration gap between academia and the industry. By providing an opportunity to start 'Knowledge Transfer Partnerships' with the officials of the industry and academia.

Funfairs

Funfairs at the campus are organized annually. Students as well as outside vendors set up stalls to display food items, handicrafts, etc., Sports activities and drama club events are also an integral part of these funfairs.

Celebrating Success

Since its inception, CIIT Attock has produced 849 graduates. So far, 13 convocations have been organized.



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. 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 3,150 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)
Civil Engineering	BS (CEE)
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 21 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 10,600 books 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.



Mechanical Engineering Labs

CIIT Sahiwal has following laboratories and workshops equipped with state-of-the-art automatically operated and controlled equipment with computerized data logging and analyzing software.

- Thermodynamics Laboratory
- Refrigeration And Air-Conditioning Laboratory
- Mechanical Workshop
 - 1- Electric Shop
 - 2- Fitting Shop
 - 3- Carpentry Shop
 - 4- Machine Shop
 - 5- Welding Shop
- Mechanics Of Machines Laboratory
- Fluid Mechanics Laboratory
- Mechanics Of Materials Laboratory
- Mechanical Vibrations Laboratory
- Heat And Mass Transfer Laboratory
- Physics Laboratory
- Engineering Mechanics Laboratory

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 370 male and 50 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.

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. Several Scholarships cover the entire semester fee (fully funded); even stipend is also being provided to students every month.

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.

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.

CISCO Laboratories

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.

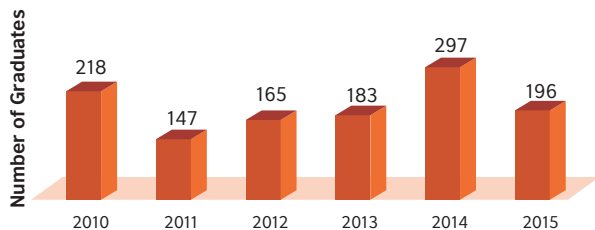
COMSATS Cisco Academy is delivering the range of services and support needed to grow tomorrow's global workforce. Our main aim is to equip our students with both network theories and practical in such a way that after completion of course our students can accelerate their career.

The laboratory 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 1,206 graduates and so far 09 convocations have been organized.

SAHIWAL CONVOCATIONS



Vehari Campus

History

Vehari is the centre 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 1,900 students, more than 100 Faculty Members, 15 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)
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 20Mbps bandwidth for students and faculty members/staff. 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 around 5200 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 100 male and 48 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.

Transport

Pick and drop facility is being provided to the students at CIIT Vehari Campus, there are 15 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 sqft 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.

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.

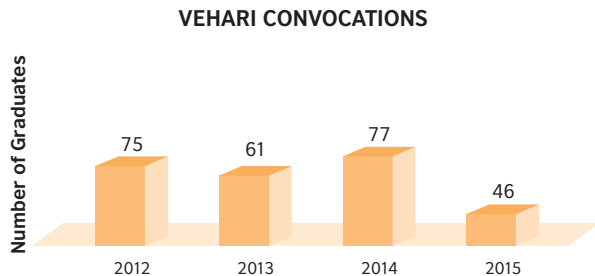
Career Development Cell

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.

Celebrating Success

Since its inception, CIIT Vehari has produced 259 graduates and so far 07 convocations have been organized.



Virtual Campus

History

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.

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.

Delivery Mechanism

CIIT Virtual Campus's 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 2015-2016

Programs	Minimum Duration
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
Master in Public Administration (MPA)	4 semesters / 2 years
Master of Sciences Mathematics MSc (Math)	4 semesters / 2 years
Master of Business Administration (Executive, 2 Years)	4 semesters / 2 years
Associate Degree in Education (ADE)	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. The complete courseware collection is made available to public via our dedicated library servers.
CIIT VC dedicated Online Library
URL:<http://lib.vcomsats.edu.pk>

Another facility is the provision of 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.
- Course lectures in high definition audio & video.
- Top quality courseware by subject specialists using blended learning approach.
- Collaborative platform for peer and tutor moderated learning activity.
- Student profiling, feedback and access to quick and reliable reporting.

Dedicated Teaching Staff

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. We also

have established our presence in Gulf and Afghanistan to support students living overseas. Details of centers are available on <http://www.vcomsats.edu.pk/studycenters>

Support Services

COMSATS Virtual Campus realizes the importance of effective student support services for maintaining quality in learning processes. Such services not only improve level of student satisfaction but also enables management to have prompt access to operational information.

Virtual Campus Online Helpdesk assists the student to register their complaints, inquiries and suggestion to the right section at the right time and get instant response.

Online Helpdesk URL:


<http://helpdesk.vcomsats.edu.pk/>

To provide telephonic real time support a dedicated Call Center facility is also available to students and applicants at CIIT Virtual Campus. The Student Call Centre helps students on queries such as admission process, academic matters, LMS and Fee related issues.

CIIT Virtual Campus has also established Regional Support Centers Offices at provincial level and extending towards its presence in all major districts.

Student Call Center: +92 (51) 8354444



The background is a solid medium blue. It features a large, light blue concentric circle centered on the page. Several smaller circles of varying shades of blue (dark, medium, and light) are scattered around the page, some overlapping the large circle. The text is centered within the large circle.

Chapter 3: **ACADEMICS**



Faculties, Departments and Programs

A photograph of a computer lab with students at their desks. The lab is filled with rows of computer monitors and desks. Students are seated at the desks, some looking at the screens and others looking towards the camera. The desks are blue and the monitors are black. The room has white walls and a blue bulletin board on the right wall.

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 equip and impart 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 Semesters

- Fall and Spring

Offering Campuses

- Islamabad, Abbottabad, Wah, Lahore, Attock, Sahiwal, Vehari, Virtual Campus

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 computerscience. 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 Semesters

- Fall and Spring

Offering Campuses

- Abbottabad, Attock, Sahiwal

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 Semesters; 6 years

Credit Hours Requirements

- Minimum 139 Cr. Hrs

Offering Semesters

- Fall and Spring

Offering Campuses

- Islamabad, Abbottabad, Wah, Lahore, Attock, Sahiwal, Vehari, Virtual Campus

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 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 Semesters

Fall and Spring

Offering Campuses

- 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. Abid Khan, PhD, Harbin Institute of Technology, China
- Dr. Muhammad Asim Noor, PhD, Johannes Kepler University, Linz, Austria

- Dr. Malik Najmus Saqib, PhD, Vienna University of Technology, Austria
- Dr. Majid Iqbal Khan, PhD, University of Vienna, Austria
- Dr. Mansoor Ahmed Awan, PhD, Vienna University of Technology, Austria
- Dr. Sadaf Tanvir, PhD, University of Grenoble, France
- Dr. Naveed Ahmed, PhD, Cambridge University, UK
- Dr. Farhana Jabeen, PhD, Manchester University, UK
- 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, PathumThani, 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. Ghufuran 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. Aimal Tariq Rextin, PhD, University of Limerick, Republic of Ireland
- Dr. Adeel Anjum, PhD, Ecole Polytechnique, University of Nantes, France
- Dr. Zafar Iqbal, PhD, University of Linköping, Sweden
- Dr. Sajid Farooq, PhD, University of Glasgow, UK
- Dr. Zara Hamid, PhD, National University of Science and Technology, Pakistan

Technology, Pakistan

- Dr. Basit Raza, PhD, International Islamic University, Pakistan

Beside 02 advisors, 15 non-PhD Assistant Professors, 50 Lecturers and 17 Research Associates/Teaching Associates are also associated with the department.

Health Informatics Unit

Advisor

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

Assistant Professors

- Dr. Abid Hussain, MBBS, MS, CIIT Islamabad, Pakistan
- Dr. Seema Rizvi, MBBS, MS, CIIT Islamabad, Pakistan

Beside 04 Lecturers are also associated with the department.

Lahore Campus

Professors

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

Associate Professors

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

Assistant Professors

- Dr. Mudasser Naseer, PhD, Beihang University, Beijing, China
- Dr. M. Salman Ahmad Khan, PhD, Graz University of

Technology Austria

- Dr. Rao Adeel Nawab, PhD, University of Sheffield, UK
- Dr. Syed Asim Ali, PhD, University of Paris, France
- Dr. Hamid Turab Mirza, PhD, Zhejiang University, China
- Dr. Ijaz Ahmed, PhD, University of Madeira, Portugal
- Dr. Muhammad Hasanain Ch, PhD, Asian Institute of Technology, Thailand
- Dr. Adnan Ahmad, PhD, Massey University, New Zealand
- Dr. Ghulam Mahdi, PhD, University of Montpellier, France
- Dr. Umera Imtihan, PhD, Curtin University, Australia
- Dr. Qurat-ul-Ain Malik, PhD, Manchester Metropolitan University, UK
- Dr. Farukh Zeeshan, PhD, University Teknologi Malaysia

Besides, 16 non-PhD Assistant Professors, 17 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
- Dr. Imran Ali Khan, PhD, GSCAS, China

Assistant Professors

- 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. Rafi us Shan, PhD, Lancaster University, UK
- Dr. Ahmed Din, PhD, Politecnico di Torino, Italy
- Dr. Usama Ijaz Bajwa, PhD, CASE, UET Taxila, Pakistan
- Dr. Fiaz Gul Khan, PhD, Politecnico di Torino, Italy
- Dr. Zia Ur Rehman, PhD, PIEAS, Pakistan
- Dr. Kashif Zia, PhD, University of Linz, Austria
- Dr. Shahid Raza, PhD, Mälardalen University, Sweden
- Dr. Abdul Nasir Khan, PhD, University of Malaya, Kuala Lumpur, Malaysia
- Dr. Safdar Zaman, PhD, Graz University of Technology, Austria
- Dr. Masood ur Rehman, University Technology Petronas(UTP), Malaysia
- Dr. Syed Sajid Hussain, PhD, University of Malaya, Kuala Lumpur, Malaysia
- Dr. Attiqah Rehman, PhD, University of Malaya, Kuala Lumpur, Malaysia
- Dr. Iftikhar Ahmad, PhD, Brunel University, West London, UK
- Dr. Atta ur Rehman, PhD, University of Malaya, Kuala Lumpur, Malaysia
- Dr. Kashif Bilal, North Dakota State University, USA
- Dr. Usman Khalid, North Dakota State University, USA
- Dr. Waqas Jadoon, PhD, Sichuan University, China

Besides, 09 non-PhD Assistant Professors, 26 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. Nadir Shah, PhD, Beijing University, Beijing China
- Dr. Waqar Mehmood, 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

Besides, 09 non-PhD 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 non-PhD Assistant Professors and 09 Lecturers are also associated with this department.

Sahiwal Campus

Professors

- Dr. Nazir Zafar, PhD, Kyushu University, Fukuoka, Japan

Associate Professors

- Dr. Javed Ferzund, PhD, TU Graz, Graz, Austria

Assistant Professors

- 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 non-PhD Assistant Professors, 15 Lecturers and 02 Research Associates are also associated with the department.

Vehari Campus

Assistant Professors

- Dr. Muhammad Imran Qureshi, PhD, Government College University Lahore, Pakistan
- Dr. Muntazim Abbas Hashmi, PhD, Government College University, Lahore, Pakistan
- Dr. Muhammad Ishaq, PhD, Bahauddin Zakariya University Multan, Pakistan
- Dr. Aqeel Ur Rehman, PhD, Chongqing University Chongqing, PR China.

Besides, 03 non-PhD Assistant Professors, 24 Lecturers, 07 Research Associates are also associated with the department.

Research Groups

Islamabad Campus

#	Group Name	Group Leader
1	Algorithmics	Dr. Aimal Tariq Rextin
2	Artificial Intelligence and High Performance Computing	Dr. Sajjad Mohsin

3	Data Mining and Business Intelligence	Dr. Manzoor Illahi Tamimy
4	Graphical Imagery Therapy for Healing Brain Tumor in Children	Dr. Sajjad Mohsin
5	Grid Computing Group	Dr. Sajjad Mohsin
6	Human Computer Interaction	Dr. Muzafar Khan
7	Information Security (ISec)	Dr. Abid Khan
8	Intelligent Databases and Information Systems (IDIS)	Dr. Malik Ahmad Kamran
9	Mobile Application Development Group	Dr. Naveed Ahmad
10	Natural Language Processing	Dr. Ahmad Raza Shahid
11	Network Research Group (NRG)	Dr. Majid Iqbal Khan
12	Real-time and Embedded Systems	Dr. Nasro Min-Allah
13	Robotic Sensing and Ambient Intelligence	Muhammad Tariq
14	Software Engineering (SE)	Dr. Muhammad Asim Noor
15	Vision and Security Group (VSG)	Dr. Sheikh Ziauddin
16	Applied Security Engineering Research Group	Dr. Amir Hayat

Research Projects

#	Project Title	Funding Agency	Principle Investigator
1	Cross Domain Access Control And Delegation In Enterprise Application	National ICT R&D	Dr. Amir Hayat
2	3D Graphical Imagery Therapy for Healing Brain Tumors in Children	National ICT R&D	Dr. Sajjad Mohsin

Abbottabad Campus

#	Group Name	Group Leader
1	Cloud and Grid Computing(CGC)	Dr. Babar Nazir
2	Communication Systems and Innovative Technologies	Dr. Rafi us Shan
3	COMSATS Network Research Group (CNRG)	Dr. Sajjad A. Madani
4	Information Security and Image Processing (ISIP)	Dr. Usama Ijaz Bajwa
5	Intelligent Systems and Environments	Dr. Kashif Zia
6	Mining Language Processing and Pattern Analysis (MLPA)	Dr. Muhammad Waqas Anwar

Research Projects

#	Project Title	Funding Agency	Principle Investigator
1	Cloud Computing Infrastructure For Clinical Decision Support System	DOST (Directorate of Science and Technology KPK)	Dr. Babar Nazir
2	Dynamic Connectivity Restoration Protocol For Wireless Sensor And Actuator Networks	Pakistan Higher Education Commission (HEC)	Dr. Babar Nazir
3	Recognition And Verification System For Paper Currency	CIIT Research Grant	Mr. Allah Bux Sargano

A photograph of a laboratory setting where several students in white lab coats are using microscopes. The focus is on a male student in the foreground, with a female student and another male student visible in the background. A light blue circular graphic is overlaid on the left side of the image.

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

Scientific inventions and discoveries have changed the way mankind lives in the modern world. Technological advancements have made our lives completely different compared to how our ancestors lived. The most vital area of advancements is the field of bioscience. Bioscience has really helped in improving the majority of the population's general health. This is all attributed to bioscience research, which has made tremendous improvements in the health industry. Diseases that were impossible to cure are now curable through cloning, genetic engineering, radiotherapy and chemotherapy technologies. These advancements have opened doors for better living and new career opportunities. Therefore, it is a growing requirement to continue and practice training of the scientists and researchers in the rapidly evolving disciplines of Microbiology/Immunology, Molecular Biology/Biochemistry, Molecular Genetics, Developmental Biology, Molecular Virology and Bioinformatics. CIIT took the initiative by establishing the Biosciences Department in 2003, and introduced a 4 year degree program in Bioinformatics at Islamabad; later another undergraduate degree program in Biosciences was introduced from year 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, mathematicians and statisticians, management scientists and humanities professors who collectively take part in the teaching and training programs 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 Semesters

- Fall and Spring

Offering Campuses

- Islamabad, Sahiwal

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, Computer Sciences, Functional Genomics, Bimolecular Structures, 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 Semesters

- Fall and Spring

Offering Campus

- Islamabad

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. Syed Habib Bokhari, PhD, University of Glasgow, UK

- Dr. Mahmood A. Kayani, PhD University of Wales, Swansea, UK
- Dr. Fayyaz-ul-Hassan, University of Wales, Aberystwyth, UK

Advisors

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

Associate Professors

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

Assistant Professors

- Dr. Saleem Ahmed Bokhari, PhD, Tsinghua University, China
- Dr. M. Qaiser Fatmi, Dr. Rer. Nat. (PhD), University of Innsbruck, Austria
- Dr. Tayyaba Yasmin, PhD, PMAS Arid Agriculture University, Rawalpindi, Pakistan
- Dr. Muhammad Zeeshan Hyder, PhD, PMAS Arid Agriculture University, Rawalpindi, Pakistan
- Dr. Muhammad Saeed, PhD, Innsbruck University, Austria
- Dr. Ramla Shahid, PhD, Cambridge University, UK
- Dr. Nazish Bostan, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Saadia Naseem, PhD, University of Hanover, Germany
- Dr. Muhammad Imran, PhD, INPL - ENSAIA - LIBio, Nancy, France
- Dr. Kiran Munir, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Irfan Sadiq, PhD, Pisa University, Italy
- Dr. Aisha Naem, PhD, University of Illinois at Urbana Champaign, USA

- Dr. Muhammad Nadeem Hassan, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Zahid Ali, PhD, University of Hanover, Germany
- Dr. Sumaira Farrakh, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Zertashia Akram, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Muhammad Jamil, PhD, Wageningen University, Netherlands
- Dr. Syed Musstjab Akber Shah, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Abdul Rauf Siddiqi, PhD, Paris Descartes University, France
- Dr. Faraz Arshad Malik, PhD, CIIT, Islamabad, Pakistan
- Dr. Abid Ali Khan, PhD, University of Basque Country, Spain
- Dr. Amira Tariq, PhD, University of Vienna, Austria
- Dr. Zahid ur Rehman, PhD, Massey University, New Zealand
- Dr. Nazia Bibi, PhD, University College London, UK
- Dr. Saima Feroz, PhD, University of Vienna, Austria
- Dr. Maleeha Azam, PhD, CIIT, Islamabad, Pakistan
- Dr. Alamdar Hussain, PhD, Karolinska Institute, Sweden
- Dr. Jawad Khan, PhD, University of Illinois at Urbana Champaign, USA
- Dr. Syed Tahir Abbas, PhD, University of Illinois at Urbana Champaign, USA
- Dr. M. Umer, PhD, Imperial College London, UK
- Dr. M. Jadoon Khan, PhD, Medical University of Graz, Austria
- Dr. Muhammad Ajmal, PhD, CIIT, Islamabad, Pakistan
- Dr. Ishrat Mahjabeen, PhD, CIIT, Islamabad, Pakistan
- Dr. M. Mudassar, PhD, Korea Advanced Institute of Science and Technology, Korea
- Dr. Asif Gondal, PhD, Karachi University, Pakistan
- Dr. Naseer Iqbal, PhD, University of Vienna, Austria
- Dr. Waseem Haider, PhD, University of Illinois Urbana

Champaign, USA

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-i-Azam University, Islamabad, Pakistan
- Dr. Muhammad Ibrahim, PhD, Zhejiang University, Hangzhou, China
- Dr. Muhammad Shafiq Shahid, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Awais Ihsan, PhD, Huazhong Agriculture University, China
- Dr. Sumaira Kanwal, PhD, Kongju National University, Korea
- Dr. Ibrar Hussain, PhD, Swedish University of Agricultural Sciences, Sweden
- Dr. Muhammad Akram Tariq, PhD, University of the Punjab, Lahore, Pakistan
- Dr. Farukh Jamil PhD, University of the Punjab, Lahore, Pakistan
- Dr. Asim Mehmood, PhD, University of Agriculture, Faisalabad, Pakistan

Besides, 05 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, provides students an opportunity to learn about the Earth and the geological processes in a real-time mountainous setting. It 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 proximity to 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

1. 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

2. 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.

Offering Semesters

- Fall and Spring

Offering Campus

- Abbottabad

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

- Mr. Mohammad Hanif, , Sul Ross State University, Alpine Tx., USA

Senior Scientific Officer

- Mr. Ayaz Mehmood, University of Peshawar, Pakistan

Associate Professors

- Dr. Muhammad Amjad Sabir , Ph.D, University of Peshawar, Pakistan

Assistant Professors

- Dr. Muhammad Umar, PhD, University of Baluchistan, Pakistan
- Dr. Muhammad Farooq, PhD, Chonbuk National University, Jeonju, South Korea
- Dr. Said Mohammad, PhD, University of Peshawar, Pakistan
- Dr. Mohammad Zahid Khan, PhD, University of Leicester, UK
- Dr. Mohammad Imran, PhD, Utrecht University, Netherland

Besides, 11 Lecturers and 05 Research Associates are 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 Semesters

- Fall and Spring

Offering Campuses

- 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 Semesters

- Fall and Spring

Offering Campus

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

Associate Professors

- Dr. Qaisar Mahmood, PhD, Zhejiang University, China
- Dr. Amjad Hassan, PhD, Niigata University, Japan
- Dr. Faridullah, PhD, Tottori University, Japan
- Dr. Raza Ahmad, PhD, Korea Advanced Institute of Science and Technology, Korea

Assistant Professors

Dr. Romana Khan, PhD, Kyungpook National University, Taegu, South Korea
 Dr. Jamshaid Hussain, PhD, University of Verona, Italy
 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. 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. 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
 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. 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, Kyungpook National University, South 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
 Dr. Abdul Nazeer, PhD, Quaid-e-Azam University, Islamabad, Pakistan
 Dr. Muhammad Nadeem Khan, PhD Netherlands
 Dr. Mazhar Iqbal, PhD, Vrije University Amsterdam, Netherlands
 Dr. Ismat Nawaz, PhD, Vrije University Amsterdam, Netherlands
 Dr. Naseer Ahmad, PhD, Quaid-e-Azam University, Islamabad, Pakistan
 Dr. Shahid Masood Shah, PhD, PIEAS, Pakistan
 Dr. Khalid Ahmad, Quaid-e-Azam University, Islamabad, Pakistan
 Dr. Yasar Sajjad, PhD, University of Agriculture, Faisalabad, Pakistan

Besides, 02 non-PhD 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-Ensai, 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, Netherlands
- Dr. Hafiz Faiq Siddique, PhD, Justus Liebig University Giessen, Germany
- Dr. Muhammad Imtiaz Rashid, PhD, Wageningen University, Wageningen, Netherlands

Department of Mathematics

Department of Mathematics started offering its BS, MS, PhD, Programs immediately after its establishment at different campuses. It is also providing services to all other departments by offering more than 100 courses at graduate/undergraduate level every semester at each campus.

At present, PhD and BS Mathematics programs are running at Islamabad and Lahore Campuses. Department of Mathematics at Islamabad campus took the lead by producing about 50 PhDs. Department is offering its MS Program at all campuses and the number of MS graduates exceeds 300 to-date. By

changing the phrase "Mathematics is mother of all subjects", seems rightly explained as the power of Mathematics, felt like never before. This beautiful subject have got recognition in all aspects of human life like basic sciences, engineering, computer sciences, bio-sciences, medicine, environmental sciences, social sciences, management, economics, governance, etc.

Mathematicians have an opportunity to make a lasting contribution to society by helping to solve problems in these diverse fields. Mathematics also has 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. Thus, it is a subject that can never lose its academic utility or professional value.

The advent of computers and data acquisition facilities has stretched the limits of what is possible in Mathematics to all branches of human endeavour. New developments are taking place all the time; some as a result of fresh ideas or review of old techniques, and others prompted by the applications to new and emerging physical, biological and social sciences, economics, and computing. This has given rise to new IT based techniques of mathematical study and has created new computational methodologies.

The Department 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 qualitative as well as quantitative skills.

Bachelor of Science in Mathematics: BS (Math)

Entry Requirements

- F.Sc or equivalent with Mathematics having 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 Campuses

- Islamabad, Lahore

Offering Semesters

- Fall and Spring

Program Information

The human endeavour has raised the study and research of all disciplines including sciences and social sciences to the level that we need a unifying approach to solve the problems for development. Mathematics is the ultimate solution for unification as it is the language of science and systematic approach to human thought.

The four year BS program in Mathematics at CIIT is one of the strongest and oldest BS mathematics program in Pakistan, which serves as incubation period to the future researchers.

After BS the students come out as hot cakes to get mould into future academicians/researchers.

In 21st century, mathematics graduate demonstrated their skills in finance industry, insurance companies, medical science, weather predictions, computer science, networks, architecture etc.

The BS program aims to provide the students with mathematical skills they need to excel in Mathematics for further studies MS/PhD and work in different above mentioned disciplines. The BS program at CIIT is very rich and fruitful in many perspectives:

• Diversity

The last two semesters of the BS program consists of optional courses which students can choose conveniently due to the presence of large number of PhD faculty and their specialization in different fields. A student has to write a thesis (project) in the last semester on some topic of Mathematics preferably towards the application of Mathematics. "Fractals in Music", "Women in Mathematics", "Quantitative analysis of population growth models", "On the blow-up phenomena for some nonlinear fractional equation", and "Solution of ordinary linear differential equation using single and multistep numerical methods" are few to name which BS students have successfully completed in recent years.

• Quality

The best quality check is the recognition of leading contemporaries. A good number of BS graduates secured

admissions in leading universities which includes Oxford University, University of Illinois, University of Warrick, Cambridge University, North Dakota State University, etc., and successfully completed their MS and PhD degrees. The mathematics graduates of CIIT are also working at national organizations like PAEC, KRL, and SPARCO etc.

- **Exchange program**

CIIT mathematics department has collaborations with international universities and offer exchange program for faculty and students. Presently there are two exchange programs for BS students, Mevlana exchange program (with Turkish Universities), IRP and EMMA (with German Universities). Under these programs, number of students after fourth semester are selected on the merit and spend one semester at collaborative international universities.

- **Scholarships**

CIIT has taken initiative to offer 100 merit based scholarships per year (covering full tuition fee) for BS studies at Islamabad campus. The primary objective is to attract number of good students towards Mathematics studies. This initiative is crucial for developing and fostering mathematics in the society and for its economic growth and sustainability as permission of CIIT.

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 Campuses

- Attock, Sahiwal, and Virtual Campus

Offering Semesters

- Fall and Spring

Program Information

An M.Sc degree in Mathematics 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 further to PhD.

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, computer sciences, physics, psychology, engineering, management, economics, governance, and social sciences. Thus, it is a subject that can never lose its academic utility or professional value.

Rapid technological advances demand professionals who can lead in emerging disciplines. The need for improved development in the high-end technology areas including the industrial research and development work can hardly be over-emphasized. One of the main factors associated with this is the

use of IT based techniques in teaching and research of mathematics and physics; and the Department of Mathematics takes responsibility to cope with these challenges.

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. Our M.Sc degree in Mathematics envisages preparing students with suitable qualifications for related jobs for teaching, research and managerial positions.

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
- Dr. Shamsul Qamar, PhD, Otto-von-Guericke University Magdeburg, Germany

Advisors

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

Associate Professors

- Dr. Abdullah Shah, PhD, Graduate School of Chinese Academy of Sciences Beijing, China
- Dr. Ishtiaq Ali, PhD, Graduate School of Chinese Academy of Sciences, Beijing, China

Assistant Professors

- Dr. Mahmoodul 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. Tanvir Akbar Kiani, PhD, University of Strasbourg, France
- Dr. Masood Anwar, PhD, National College of Business Administration and Economics, Pakistan
- Dr. Tazeen Athar, PhD, DAAD, Germany
- Dr. Muhammad Saeed Akram, PhD, Government College University, Lahore, Pakistan
- Dr. Muhammad Zaighum Zia, PhD, DAAD, Germany
- Dr. Muhammad Qasim, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Saleem Ahmed, PhD, State University of New York, USA
- Dr. Babar Ahmad, PhD, Government College University, Lahore, Pakistan
- Dr. Imran Rashid, PhD, Hradec Kralove University, Czech
- Dr. Muhammad Fazeel Anwar, PhD, University of York, UK
- Dr. Sohail Iqbal, PhD, Warwick University, Pakistan

- 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
- Dr. Rab Nawaz, PhD, Quaid-i-Azam University, Islamabad, Pakistan

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

Lahore Campus

Advisors

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

Associate Professors

- Dr. Sarfraz Ahmad, PhD, GC University, Lahore, Pakistan

Assistant Professors

- Dr. Imran Anwar, 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. Samina Mazhar, 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, 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 Professor

- 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 non-PhD Assistant Professors, 11 Lecturers are also associated with this department.

Wah Campus

Advisors

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

Assistant Professor

- Dr. Akmal Javaid, PhD, Graduate University of Chinese Academy of Sciences (GUCAS), Beijing, China
- Dr. Muhammad Kamran, PhD, Government College University, Lahore, Pakistan
- Dr. Amer Rasheed, PhD, European University of Bretagne, France
- Dr. Abdul Wahab, PhD, Ecole Polytechnique 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

Besides, 09 Lecturers are also associated with this department.

Attock Campus

Advisors

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

Assistant Professors

- Dr. Imran Faisal, PhD, Universiti Kebangsaan Malaysia
- Dr. Farooq Ahmad Shah, PhD, CIIT, Islamabad
- Dr. Abdul Qadir Baig, PhD, Government College University, Lahore
- Dr. Shafique Rehman, PhD, Government College University, Faisalabad, Pakistan
- Dr. Muhammad Awais, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Sadia Siddiqua, PhD, CIIT, Islamabad, Pakistan
- Dr. Muhammad Zeb, CIIT, Islamabad, Pakistan
- Dr. Muhammad Sohail, Government College University, Lahore, Pakistan
- Dr. Aamir Ali, CIIT, Islamabad, Pakistan

Besides, 4 Lecturers and 1 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 non-PhD Assistant Professors, 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 Semesters

- Fall and Spring

Offering Campus

- Islamabad

Program Information

Bachelor of Science in Electronics program is launched 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 (F.sc/A Levels) With Physics or equivalent with minimum of 50% marks, from an accredited institution. Pre- medical students may be admitted provisionally and they must pass the specified non- credit additional mathematics course in 1st or 2nd semester of their studies at CIIT.
- 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 Semesters

- Fall and Spring

Offering Campuses

- 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 optoelectronics), materials 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-i-Azam University, Islamabad, Pakistan
- Dr. Mahnaz Qader Haseeb, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Khalid Jamil, PhD, Florida University, USA
- Dr. Ishaq Ahmad, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Izharul Haq, PhD, Quaid-i-Azam University, Islamabad, Pakistan

Chief Scientific Officer

- Dr. Shahid Manzoor, PhD, University of Bologna, Italy

Advisors

- Dr. Muhammad Aslam Khan, PhD, Hull University, UK
- Dr. Mais Suleymanov, PhD, Joint Institute for Nuclear Research, Dubna, Moscow, Russia

- Dr. Nasim Zafar, PhD, Cambridge University, UK
- Dr. Abdul Waheed, PhD, Bahauddin Zakariya University, Multan, Pakistan
- Dr. Hameed Ahmed Khan, PhD, Birmingham University, UK
- Dr. M. Zafar Iqbal, PhD, Manchester University, UK
- Dr. Javaid Anwar, PhD, Quaid-i-Azam University, Islamabad, Pakistan

Associate Professors

- Dr. Muhammad Anise-ur-Rehman, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Sadia Manzoor, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Ahmer Naweed, PhD, University of Massachusetts, USA
- Dr. Farida P. Tahir, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Nazar Abbas Shah, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Ashfaq Hussain Khosa, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Waqas Masood, PhD, University of London, UK
- Dr. Siraj-ul-Islam Ahmad, PhD, PIEAS, Islamabad, Pakistan
- Dr. Altaf Karim, PhD, Kansas State University, Manhattan, USA
- Dr. Khusriddin Olimov, PhD, Uzbekistan Academy of Sciences, Uzbekistan
- Dr. Najeem-ur-Rehman, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Fazal Ghafoor, PhD, Quaid-i-Azam University, Islamabad, Pakistan

Assistant Professors

- Dr. Farmanullah Jan, PhD, CIIT, Islamabad, Pakistan
- Dr. Mubarak Ali, PhD, Universiti Teknologi Petronas, Malaysia

- Dr. Mushtaq Ali, PhD, University of Camerino, Italy
- Dr. Javeed Akhtar, PhD, Manchester University, UK
- Dr. Sana Sabahat, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Muhammad Kamran, PhD, Innsbruck University, Austria
- Dr. Sameena Shah Zaman, PhD, Vienna University, Austria
- Dr. Waqas Khalid, PhD, Philipps Universitat, Marburg, Germany
- Dr. Uzma Khaliq, PhD, Eindhoven University of Technology, Netherlands
- Dr. Ahsan Illahi, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Salman Khan Safi, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Lubna Tabassum, PhD, University of Camerino, Italy
- Dr. Uzma Tabassum, PhD, University of Camerino, Italy
- Dr. Tassawar Abbas, PhD, CIIT, Islamabad, Pakistan
- Dr. Rana Liaquat Ali, PhD, CIIT, Islamabad, Pakistan
- Dr. Muhammad Umair Hassan, PhD, Cambridge University, UK
- Dr. Farrakh Shahzad, PhD, Karl-Franzen University, Graz, Austria
- Dr. Qaiser Waheed, PhD, KTH Royal Institute of Technology, Sweden
- Dr. Muhammad Saeed, PhD, Hokkaido University, Japan
- Dr. Saira Arif, PhD, University of Vienna, Austria
- Dr. Muhammad Waseem, PhD, University of Peshawar, Pakistan
- Dr. Ghazanfar Abbas, PhD, Bahauddin Zakariya University, Multan, Pakistan
- Dr. Muhammad Hannan Younis, PhD, Politecnico di Torino, Italy
- Dr. Hira Siddiqui, PhD, Institute for Theoretische Physics, Germany
- Dr. Azeem Mir, PhD, CIIT Islamabad, Pakistan

- Dr. Muhammad Bashir, PhD, University of Sheffield, UK
- Dr. Waqqar Ahmed, PhD, University of Twente, Netherlands
- Dr. Asghari Gul, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Faheel Hashmi, PhD, University of Paul Sabatier, Toulouse, France
- Dr. Mushtaq Ahmed, PhD, PIEAS, Islamabad, Pakistan
- Dr. Anwar Hussain, PhD, PIEAS, Islamabad, Pakistan
- Dr. Zia-ud-Din, PhD, CIIT, Islamabad, Pakistan
- Dr. Saif Ullah, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Jamila Bashir Butt, PhD, Syracuse University, New York, USA.
- Dr. Muhammad Rashid, PhD, Islamia University Bahawalpur, Pakistan
- Dr. Mukhtar Ahmed PhD, Bahauddin Zakariya University, Multan, Pakistan
- Dr. Jaweria Ambreen, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Kamran Rasool, PhD, PIEAS, Islamabad, Pakistan
- Dr. Muhammad Irfan Memon, PhD, Bristol University, UK
- Dr. Ijaz Ahmed, PhD, Quaid-i-Azam University, Islamabad, Pakistan
- Dr. Umair Manzoor, PhD, Korea Advanced Institute of Science and Technology, Korea
- Dr. Khurram Mehboob, PhD, Harbin Engineering University China

Besides, 13 Lecturers, 17 Research Associates and 6 Lab Engineers 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

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, Zhejiang University, China
- Dr. Naveed Aslam, PhD, Government College University, Pakistan
- Dr. Shabana Nisar, PhD, Syracuse University, USA
- Dr. Muhammad Asif, PhD, Linköping 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 Albany 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- Katholieke Universiteit Leuven, Belgium
- Dr. Muhammad Jamil, PhD, Government College University, Lahore, Pakistan
- Dr. Ayesha Jamil, PhD, Cambridge University, United Kingdom
- Dr. Ishrat Sultana, PhD, Sungkyunkwan University, South Korea
- Dr. M. Saleem, PhD, Chongqing University, China

- Dr. Muhammad Hammad Aziz, Ph.D, Islamia University Bahawalpur, Pakistan
- Dr. Naima Amin, PhD, Islamia University Bahawalpur, Pakistan
- Dr. Muhammad Junaid Amjad, PhD, University Technology, Malaysia
- Dr. Azmat Iqbal, PhD, University of the Punjab, Lahore, Pakistan
- Dr. Saif ur Rehman, PhD, University Mohammed V-Agdal, Rabat, Morocco
- Dr. Ayesha Anjum, PhD, University Paul Sabatier, Toulouse, France.
- Dr. Muhammad Yaseen, PhD, Xi'an Jiaotong University, China
- Dr. M. Yasir Rafique, PhD, University of Science and Technology, Beijing, 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 198 Cr. Hrs.

Offering Semester

- Fall only

Offering Campus

- 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 198 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. Izhar Hussain, PhD, Imperial College of London, UK
- Dr. Nisar ur Rehman, PhD, University of Science, Malaysia

Associate Professors

- Dr. Taous Khan, PhD, Kyungpook National University, South Korea
- Dr. Abdul Jabbar Shah, PhD, Agha Khan University, Pakistan
- Dr. Abdul Mannan, PhD, Quaid-i-Azam University, Pakistan

Assistant Professors

- Dr. Ghulam Murtaza, PhD, Islamia University Bahawalpur, Pakistan
- Dr. Shujat Ali Khan, PhD, Islamia University Bahawalpur, Pakistan
- Dr. Arfat Yameen, 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. Nighat Fatima, PhD, Quaid-e-Azam University, Pakistan
- Dr. Nabi Shah, PhD, University of Karachi, Pakistan

Besides, 04 non-PhD Assistant Professor, 07 Lecturers and 10 Research Associates are also part of this department.

A young man with dark hair and a beard, wearing a blue and white striped shirt, is focused on working on a circuit board. He is using a pair of wire cutters to trim a wire. The circuit board is mounted on a white lab bench. The bench has various controls, including a digital display showing '1.000', several blue knobs, and a red power switch. Wires are connected to the board. In the background, another circuit board is visible on the bench. A blue circular graphic with the text 'Faculty of Engineering' is overlaid on the left side of the image.

Faculty of Engineering

The Faculty of Engineering is functioning with 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,

Chemistry having minimum of 60% marks or DAE in the relevant 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 Semesters

- Fall and Spring

Offering Campuses

- 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, Chemistry having minimum of 60% marks or DAE in the relevant 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 137 Cr. Hrs.

Offering Semesters

- Fall and Spring

Offering Campus

- Islamabad, Lahore

Program Information

Bachelor of Science in Electrical (Telecommunication) Engineering Program is one of the most popular undergraduate programs now 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,

Chemistry having minimum of 60% marks or DAE in the relevant 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 137 Cr. Hrs.

Offering Semesters

- Fall and Spring (Abbottabad, Lahore)
- Fall (Islamabad)

Offering Campuses

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, Chemistry having minimum of 60% marks or DAE in the relevant 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 Semesters

- Fall and Spring (Abbottabad)
- Fall (Islamabad, Attock)

Offering Campuses

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, Chemistry having minimum of 60% marks or DAE in the relevant 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 Semesters

- Fall and Spring (Attock, Sahiwal)
- Fall (Wah)

Offering Campuses

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 relevant 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 Semesters

- Fall and Spring

Offering Campus

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 Supérieur Des Telecommunication, France
- Dr. Junaid Mughal, PhD, University of Birmingham, UK

Associate Professors

- Dr. Shafayat Abrar , PhD, Liverpool University, UK
- Dr. Izhar-ul-Haq, PhD, Quaid e Azam University, Pakistan

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 FasihUd 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. Hammed Umer, PhD, Imperial College, London, UK
- Dr. Aamir M. Khan, PhD, University of Nice-Sophia Antipolis, France

Besides, 34 non-PhD 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 Supérieur Des Telecommunication de Bretagne, France

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

Lahore Campus

Associate Professors

- Dr. Saleem Akhtar, PhD, Ecole National Supérieur Des Telecommunication, France
- Dr. Sobia Baig, PhD, Ghulam Ishaq Khan Institute of Engineering Sciences and 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 Saqib Sarfraz, PhD, Technical University Berlin, Germany
- Dr. Umer Farooq, PhD, Université 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 non-PhD Assistant Professors, 33 Lecturers, 6 Research 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, Ph.D, ECUST, Shanghai, China
- Dr. Sheraz Anjum, PhD, Graduate School of Chinese Academy of Sciences, Beijing, China
- Dr. Nadia Nawaz, PhD, Essex University, UK

Assistant Professors

- Dr. Mubashir Hussain Rehmani, PhD, Universite Pierre et Marie CURIE, France
- Dr. Ayaz Ahmad, PhD, Paris Sud 11 University, France
- Dr. Sajid Siraj, 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, PhD, KTH-Royal Institute of Technology, Sweden
- Dr. Muhammad Naeem, PhD, Simon Fraser University, Burnaby, Canada

Besides, 10 non-PhD 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, Ph.D, Beijing University of Posts and Telecommunications, China

Besides, 03 non-PhD 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, state-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 Farhan Shafique, PhD, Leeds Metropolitan University, UK
- Dr. Nadeem Javaid, PhD, Ecole National Supérieur Des Telecommunication, France
- Dr. Muhammad Saeed Khan, PhD, Geschaefststelle Craz University, Austria

Besides, 03 non-PhD 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.

Academic Programs Offered

Bachelor of Science in Chemical Engineering: BS (EhE)

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

Entry Requirements

- Intermediate or equivalent with Physics, Mathematics, and Chemistry having minimum of 60% marks or DAE in the relevant 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 138 Cr. Hrs.

Offering Semesters

Fall and Spring

Offering Campus

- Lahore

Faculty Members

Lahore Campus

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, Catholic 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 non-PhD Assistant Professors, 30 Lecturers and 04 Research Associates are also associated with the department.

Department of Mechanical Engineering

The CIIT establish the Department of Mechanical Engineering in both CIIT Sahiwal and 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.

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 relevant 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 Semesters

- Fall and Spring

Offering Campus

- Sahiwal

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

Sahiwal Campus

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 non-PhD 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 programs are 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 relevant 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

- Fall only

Offering Campuses

- Abbottabad, Wah, Sahiwal

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, Korean Advanced Institute of Science and Technology, 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 non-PhD 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 with a vision to develop skills of tomorrow's managers; and with its phenomenal ascent is presently one of the top departments in the country's higher education landscape. This department endeavours to contribute to the society by imparting quality education, distinguished by cutting edge technologies and modern managerial practices through learned faculty, interacting with leading Consultants, Entrepreneurs, Industrialist, Technology Experts and Global Educational partners. Our Department has one of the largest concentrations of doctoral degree holders faculty 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. In addition to 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 curricular, co-curricular and extracurricular efforts.

Academic Programs Offered

Department of Management Sciences at CIIT takes a lead by offering:

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 Semesters

- Fall and Spring

Offering Campuses

- Islamabad, Lahore, Abbottabad, Wah, Attock, Sahiwal, Vehari, Virtual Campus

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, Supply Chain Management and Banking and Finance.

BS (BA) program prepares students for the competitive world of business by involving 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 to be applied in multi-

- cultural environment of globalization, enable integration of formal academic learning with business related experiential learning.

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 Semesters

- Fall and Spring

Offering Campuses

- Islamabad, Wah, Lahore, Sahiwal, Vehari

Program Information

The Bachelor of Accounting and Finance is designed for students wishing to pursue a career in accounting and finance, either as an accountant in private practice or employed in industry, commerce or the public sector. It allows students to specialize solely in Professional Accounting, or both Professional Accounting and Applied Finance and provides them with the knowledge and technical skills they need to succeed in the accounting/finance field.

Accounting and Finance graduates will find employment at supervisory and mid carrier executive levels in a wide range of business careers such as accounting, auditing, taxation, finance, banking, investment, corporate planning, strategic business planning, treasury, information systems, management consulting and forensic accounting.

Faculty at the Department of Management Sciences is a blend of Professional FCMAs, FCAs & Doctoral Degrees, in various fields of Management, Finance, Islamic Banking, Operations & Research etc. They bring to classrooms their diversified experience and expertise that help students broaden their view and deepen their understanding of the contemporary business issues and practices.

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.

Offering Semesters

- Fall and Spring

Offering Campuses

- Islamabad, Abbottabad, Lahore

Program Information

Bachelor of Science in Economics program is designed to equip graduates with comparative knowledge of economic theory and applied economics. This program offers a combination of theoretical and practical courses with economic application to illustrate their abilities at workplace.

The degree is based around the core 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; commercial banks, NGOs, teaching and other institutions involved in training, consultancy, research, and policy development and formulation, and further their education by joining research areas in MS/PhD.

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.

Offering Semesters

- Fall and Spring

Offering Campuses

- Islamabad, Wah, Abbottabad, Lahore, Attock, Sahiwal, Vehari, Virtual Campus

Program Information

Bachelors of Business Studies program at CIIT has been initiated for the prospective students who wish to undertake business studies and explore their abilities outside their non-business educational thinking box. 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 also expose students to global business environment by 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 leader, critical thinking, communication and interpersonal skills, management, marketing, finance and global business.

Master of Public Administration: MPA

Entry Requirements

- Bachelor degree (14-year) 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 Semesters

- Fall and Spring

Offering Campuses

- Attock, Wah, Virtual Campus

Program Information

Master of Public Administration program enables graduates for smart and effective management of public sector in order to best utilize the available resources and foster thinking process of future nation.

Master of Economics: M.Sc (Eco)**Entry Requirements**

- Bachelor degree (14-year) 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 Semesters

- Fall and Spring

Offering Campus

- 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 the public and private sector national and international organizations, business and furthering their education through MS/PhD.

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 Campuses

- 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 also expose professionals to a competitive 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. Professional Managers, Leading Industrialist, Learned Senior Faculty and consultants build leadership and analytical skills; a must for SMART Managers.

Faculty Members

Islamabad Campus

Professors

- Dr. Qaisar Abbas, PhD, Nankai University Tianjin, China
- Dr. Khalid Riaz, PhD, Iowa State University, USA
- Dr. Abdel Hamid Muhammad Nasr, PhD, Charles University, Prague, USA

Advisors

- Dr. Faiz Bilquess, PhD, University of Manchester, UK
- Dr. Muzaffar Ali Qureshi, PhD, Rensselaer Polytechnic Institute, Troy, NY/University of Southern California, USA

Associate Professors

- Dr. Syed Zulfiqar Ali Shah, PhD, University of Manchester, UK
- Dr. Muhammad Arshad Khan, PhD, PIDE, Islamabad, Pakistan

Assistant Professors

- Dr. Amna Yousaf, PhD, University of TWENTE, Netherlands
- Dr. Bashir Ahmad Fida, PhD, Shanghai University of 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 Zahid Iqbal, PhD, National University of Modern Languages, Islamabad, Pakistan
- Dr. Muhammad Zakaria, PhD, Quaid-e-Azam University, Pakistan
- Dr. Raja Saquib Yusaf Janjua, PhD, Vienna University of Economics and Business Administration, Austria
- Dr. Seeme Mallick, PhD, Macquarie 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 non-PhD 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 Lumpur, 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, Humboldt 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 non-PhD Assistant Professors, 21 Lecturers and 5 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 Beijing, China
- Dr. Yasir Javed, PhD, Massey University, New Zealand

Besides, 13 non-PhD 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 non-PhD Assistant Professors, 23 Lecturers and 02 Research Associates are also part of this Department.

Attock Campus**Assistant Professors**

- Dr. Muhammad Sajjad, PhD, Foundation University, 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 non-PhD 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
- Dr. Ghulam Hussain Malik, PhD, University Technology Malaysia, Malaysia

Besides, 08 non-PhD 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 non-PhD 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, many 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 Semesters

- Fall and Spring

Offering Campus

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; and
- 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-Year) 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 Semesters

- Fall and Spring

Offering Campus

- 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 vision.

Faculty Members

Abbottabad Campus

Professors

- Dr. Shehla 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 non-PhD 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 Semesters

- Fall and Spring

Offering Campuses

- 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-Year) 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 Semesters

- Fall and Spring

Offering Campuses

- 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 Semesters

- Fall and Spring

Offering Campus

- 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, PhD, Quaid-e-Azam University, Islamabad, Pakistan

Assistant Professors

- Dr. Tanveer Zara, PhD, University of Indiana, Bloomington, USA
- Dr. Azeema Voleger, PhD, University of Hawaii 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, Islamabad, Pakistan

Besides, 08 non-PhD 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

Associate Professors

- Dr. Shazia Hassan, PhD, University of Karach, Pakistan

Principal Research Officer

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

Assistant Professors

- Dr. Filza Waseem, PhD, National University of Modern Languages, 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 non-PhD 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
- Dr. Sardar Muhammad, PhD, International Islamic University, Islamabad, Pakistan

Besides, 02 non-PhD Assistant Professors and 15 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.



A photograph of two students, a young man and a young woman, working in a studio. The man, on the left, is wearing a red and blue plaid shirt and is looking down at a desk. The woman, on the right, is wearing a red top and a black jacket, and is also looking down at the desk. They are both focused on their work. On the desk, there are various items including a small wooden block, a piece of yellow plastic, and some papers. In the background, there are more papers and a wall with some sketches. A large blue circle is overlaid on the image, containing the text 'Faculty of Architecture & Design'.

**Faculty of
Architecture
&
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, skilful 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 180 Cr. Hrs.

Offering Semester

- Fall Only

Offering Campuses

- Islamabad, Lahore

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 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 141 Cr. Hrs.

Offering Semester

- Fall Only

Offering Campuses

- 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 141 Cr. Hrs.

Offering Semester

- Fall Only

Offering Campus

- 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, 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. Smarten 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

- Hejaz Ahmed, M.Phil., Ecole National Superior des Arts Decorates, Paris, France

Advisors

- Dr. Rafiq A. Malik, PhD, University of Sheffield, UK
- Mr. Hassan Shah Nawaz Zaidi, T.I., MFA, University of Punjab, Lahore, Pakistan
- Mr. Shaukat Nawaz Raja, M. Arch, Ecole des Beaux Arts, Luminy, France
- Ms. Yasmeen Cheema, MA. Middle East Technical University Ankara, Turkey

Associate Professors

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

Assistant Professors

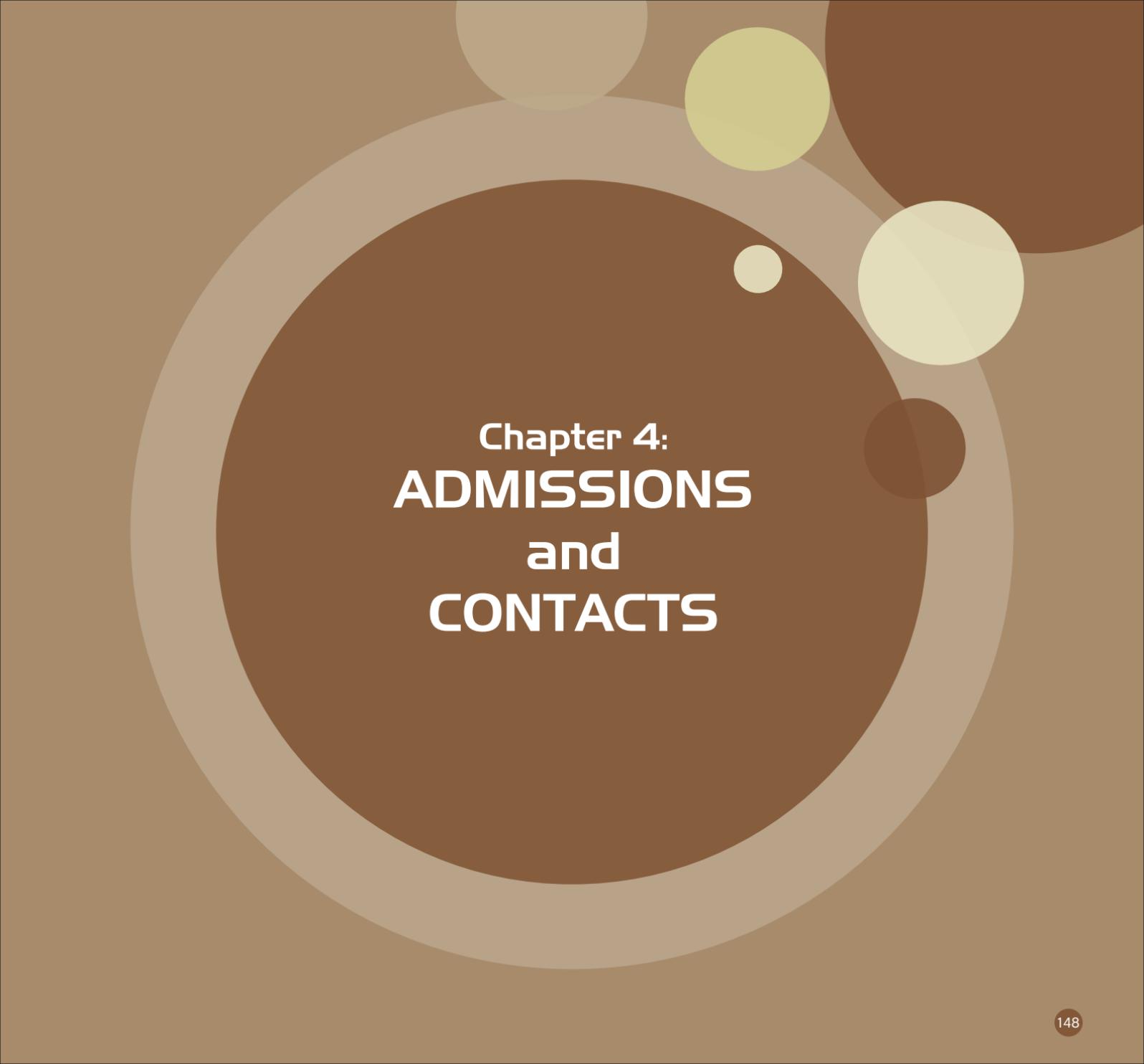
- Mr. Mubeen Ahmad, M.Arch, Erasmus University, Netherlands
- Mr. Mudassar Ahmad, B.Arch, UET, Lahore, Pakistan
- Mr. Masood Ahmad, MA, Birmingham City University, UK
- Mr. Zain ul Abideen, B.Design, National College of Arts, Lahore, Pakistan
- Mr. Muhammad Ashraf, MA, University of East London, UK
-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

Note:

- The approved Scheme of Studies of all undergraduate programs is available in the Registrar Office of the respective campus and also on the link <http://cuonline.comsats.edu.pk/publicaccess>
- The approved rules and regulations governing undergraduate programs can be obtained from Registrar office of respective campus.
- All other regulations approved and issued from time to time, regarding undergraduate degree programs, shall also be applicable.





Chapter 4:
ADMISSIONS
and
CONTACTS

Admission in CIIT is competitive, but those who come here to 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 within 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 within due date advertised at the time of admission. 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 relevant NTS Test score (NAT-I/ NAT-II) at the time of application. However, after the last date of submission of Admission Forms, entrance test will 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 & B. Des programs 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 eligible 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 programs on 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
- German Need-Based Scholarships
- Pak-USAID Merit Need-Based Scholarships
- NTS Need-Based Scholarship

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-requisites 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 upto Rs. 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

International students are the central point of focus of its internationalization policy and it welcomes international students from across the world. In order to attract international students and to provide opportunities to get quality higher education, CIIT offer scholarships to nominees of various foreign governments and organizations at CIIT Pakistan.

The International Office, or IO as it is more commonly known, is the first point of contact for international students. The head office located in Islamabad handles all international applications as well as provides support services to student at CIIT Islamabad. Subsidiary International Students Affairs (ISA) offices set up in each campus cater to the academic and social needs of students in each CIIT location.

International students are welcome for enrolment in different graduate and undergraduate degree programs in CIIT system. Currently the majority of these students were enrolled in Computer Science, Electrical Engineering, Mathematics, Meteorology and Bio-sciences departments and belongs to Nigeria, Sudan, Jordan, Iran, Afghanistan, Palestine, Mauritius, Turkey, Indonesia 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 Degree Programs:**

Undergraduate programs: Same eligibility criteria apply to international students as given above except they are exempted of NTS test.

- **Application Procedure:**

Download the application form from the International Students web portal

<http://ww3.comsats.edu.pk/InternationalStudents/>

Application along with scans of academic documents may be sent on the following email address:

int.admissions@comsats.edu.pk

- **Documents Required:**

- Completed admission application form
- Statement of Purpose or Research Plan (see below)
- Scans of degrees and transcripts of all post-secondary degrees (with English translation where required)
- Latest passport size photograph with blue background
- Scan of valid passport
- Evidence showing proficiency in English language

- **Statement of Purpose (Research Plan):**

The statement of purpose is a critical part of the application process for graduate admission, which helps in ascertaining seriousness and aptitude of the applicant. It is the only part of the process that you have complete control over; you cannot change your Grades/GPA, but

you can determine the finished product of your statement. It should demonstrate excellence in writing and clarity of thinking. It is a chance to introduce yourself and describe who you are; what your background; and what is important to you.

More importantly, the statement of purpose is an opportunity for an applicant to describe your purpose in pursuing graduate study; why this Institute and/or this specific program is your preferred choice; what are your reasons for graduate study, and what is your plan in pursuing this degree. It should state how well you know the institute and justify your reason for studying at CIIT.

- **Visa Requirement:**

International students who wish to study in Pakistan need to obtain a Student Visa before travelling to Pakistan. Once you have been issued a provisional admission letter, you should immediately apply for a student visa for Pakistan by sending copies of admission letter, passport and other relevant documents to the nearest Pakistani High Commission in your country of residence or a neighbouring country.

- **Letters of Reference:**

Two reference letters typed in double space may accompany your application dossier. Ideally one letter may be from a faculty member of your alma mater, while the second one may be from an employer. Both letters may bring out clearly your suitability for the selected program. Alternatively, both letters could be from your former teachers.

- **English Language Test Requirements:**

CIIT Pakistan accepts the following credentials of international students to satisfy the minimum English Language requirements for entry to undergraduate degree programs:

- o TOEFL Internet-based test - overall minimum score 60 (iBT) OR
- o IELTS minimum 5.0 band OR
- o 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 wants 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:**

Accommodation would be provided by CIIT to international students. This will provide an opportunity to interact, live and study with students from different backgrounds and many of whom will become friends for life. CIIT offers conducive living and studying environment for the students.

- **Orientation and Registration:**

Orientation is your chance to learn about the University, ask questions, register your courses, get to know your fellow classmates, meet with an academic advisor/faculty member and begin your adventure as a new student. A formal orientation program is designed to welcome and introduce International students to CIIT and to help them adjust to life at CIIT before the official start date of classes. There will be social events where students will have the opportunity to make new friends, meet CIIT faculty & staff. It is essential for all new international students to attend the orientation, as they will need to register with the CIIT Medical Centre and fulfil other requirements as well.



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 further for 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



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.

Contacts

Admission Offices

Following admission offices may be contacted for any admission inquiry:

Principal Seat

Ms. Muniba Nasir
Deputy Registrar (MIS)
Phone: 051-90495137
E-mail: muniba_nasir@comsats.edu.pk

Islamabad

Ms. Seemi Haq
Senior Program Officer
Phone: 051-9247000-3, 90495033
E-mail: seemihaq@comsats.edu.pk

Abbottabad

Mr. Ghias-ud-din Shah
Incharge (Student Affairs)
Phone: 0992-383591-6
E-mail: ghias@ciit.net.pk

Wah

Dr. Akmal Javaid
Senior Manager (Student Affairs) / OIC
Admissions
Phone: 051-9272614-5
E-mail: akmal@ciitwah.edu.pk

Lahore

Mr. Ata Ur Rehman
Incharge (Student Services Centre)
Phone: 042-99204786, 042-111-001-007,
Ext: 830, 831
Email: arehman@ciitlahore.edu.pk

Attock

Dr. Jamshaid Ahmed
Incharge (Admissions)
Phone: 057-9316330, Ext: 143,158
Email: dr.jamshaid@ciit-attock.edu.pk

Sahiwal

Mr. Safdar Ali
Incharge (Admissions)
Phone: 040-9200100, 4305001
E-mail: Safdar@ciitsahiwal.edu.pk

Vehari

Mr. Fakhar Hussain
Coordination Officer / Incharge
(Admissions)
Phone: 067-3001606
E-mail: admissions@ciitvehari.edu.pk,
fakhar@ciitvehari.edu.pk

Virtual Campus

Mr. Muhammad Irfan
Deputy Registrar (Student Affairs)
Phone: 051-9262238
E-mail: tarar@vcomsats.edu.pk

Office of International Students Affairs (OISA)

Mr. Kashif Masood
Assistant Registrar
Phone: +92-51-8318471, +92-51-
9247001-3, Ext: 5195
E-mail: int.admissions@comsats.edu.pk

Administration Contacts

Principal Seat

Rector

Dr. S.M. Junaid Zaidi, H.I., S.I.
Phone: 051-92495117
E-mail: rector@comsats.edu.pk

Pro-Rector

Dr. Haroon Rashid, S.I.
Phone: 051-90495365
E-mail: haroon@comsats.edu.pk

Registrar

Prof. Dr. Izhar Hussain, T.I.
Phone: 051-90495112
E-mail: registrar@comsats.edu.pk

Controller of Examinations

Mr. Muhamamd Sohail Ghani
Phone: 051-90495131
E-mail: sgw@comsats.edu.pk

Director, Planning, Development and Human Resource Development (PD & HRD)

Mr. Tahir Naeem
Phone: 051-90495169
E-mail: tnaeem@comsats.edu.pk

Dean, Research, Innovation and Commercialization (RIC)

Prof. Dr. Raheel Qamar, T.I.
Phone: 051-90495036
E-mail: raheel_qamar@comsats.edu.pk

Head, International Office

Dr. Arshad S. Malik
Phone: 051-90495048
E-mail: asmailk@comsats.edu.pk

Advisor, Quality Enhancement Cell

Dr. Sohaila Javed
Phone: 051-9240844, 8435052, Ext: 820
E-mail: drsohaila@comsats.edu.pk

Additional Registrar (QEC)

Mr. Shahid Iqbal
Phone: 051-9240844, 8435052, Ext: 808
Email: siqbal@comsats.edu.pk

Additional Treasurer

Mr. Muhammad Azam
Phone (Off): 051-90495078
E-mail: muhammad_azam@comsats.edu.pk

Additional Registrar (Academics)

Mr. Nadeem Uddin Qureshi
Phone: 051-90495079
E-mail: qureshi@comsats.edu.pk

Additional Registrar (Management)

Mr. Fayyaz Hussain
Phone: 051-90495102
E-mail: fayyazhussain@comsats.edu.pk

Academics

Dean of Faculties

Dean, Faculty of Science

Prof. Dr. Arshad Saleem Bhatti, T.I.
Phone: 051-90495118
E-mail: asbhatti@comsats.edu.pk

Dean, Faculty of Engineering

Dr. Shahid Ahmed Khan
Phone: 051-90495214
E-mail: shahidk@comsats.edu.pk

Dean, Faculty of Information Sciences and Technology

Prof. Dr. Sajjad Mohsin
Phone: 051-90495101
E-mail: smohsin@comsats.edu.pk

Dean, Faculty of Business Administration

Prof. Dr. Qaisar Abbass
Phone: 051-90495087
E-mail: qaisar@comsats.edu.pk

Dean, Faculty of Architecture and Design

Arch. Prof. Ejaz Ahmad
Phone: 042-99203980
E-mail: ejazmalik@ciitlahore.edu.pk

Islamabad Campus

Administration

Incharge Hostel Management Committee/Senior Warden

Prof. Dr. Khalida Inayat Noor
Phone: 051-90495053
E-mail: khalidainayat@comsats.edu.pk

Additional Registrar (Academics)/Incharge Student Affairs/Admissions

Mian Gul Muhammad
Phone: 051-90495245
E-mail: miangulmuhammed@comsats.edu.pk

Deputy Registrar

Mr. Wajid Kamran
Phone: 051-90495188
Email: wajidkamran@comsats.edu.pk

Hostels

Girls

Ms. Farzana Abid
Warden
Phone: 051-9234414
E-mail: farzana_abid@comsats.edu.pk

Boys

Mr. Hassan Raza
Administrative Officer
Phone: 0333-5549950
E-mail: hassan@comsats.edu.pk

Transport

Mr. Hussain Ahmed
Incharge Transport
Phone: 051-904955224
E-mail: hussain_ahmed@comsats.edu.pk

Abbottabad Campus**Director**

Prof. Dr. Khan Gul Jadoon
Phone: 0992-383591-5
Fax: 0992-383441
E-mail: kgjadoon@ciit.net.pk

Administration**Additional Registrar**

Mr. Saadat Iqbal
Phone: 0992-383591-5
E-mail: saadat@ciit.net.pk

Program Officer (Coordination)

Ms. Zainab Irshad
Phone: 0992-383591-5
Email: zainabirshad@ciit.net.pk

Hostel

Dr. Qazi Najam-us-Saqib
Hostel Provost
Phone: 0092-992-383591-5
E-mail: najam48@ciit.net.pk

Transport

Mr. Rafiq Ahmed Khalil
Transport Incharge

Phone: 0092-992-383591-5
E-mail: rafiq@ciit.net.pk

Wah Campus**Director**

Prof. Dr. Tayyeb Akram
Phone: 051-4534200-2
Fax: 051-4546850
E-mail: dirwah@comsats.edu.pk

Administration**Deputy Registrar**

Mr. Jawwad Ahmad
Phone: 051-4534200-2, Ext: 214
E-mail: jawwad_ahmad@comsats.edu.pk

Hostel

Dr. Muhammad Sharif
Associate Professor / Hostel Warden
Phone: 051-9314382-3, Ext: 222
E-mail: muhammadsharifmalik@yahoo.com

Transport

Mr. Muhammad Asghar
Transport Supervisor
Phone: 051-4534200-02, Ext: 218

Lahore Campus**Director**

Dr. Mahmood Ahmad Bodla
Phone: 042-111-001-007
Fax: 042-99203100
E-mail: director@ciitlahore.edu.pk

Administration**Additional Registrar**

Mr. Rashid Ahmad Khan
Phone: 042-111-001-007
E-mail: rakhan@ciitlahore.edu.pk

Hostel**Girls Hostel**

Ms. Saima Saleem
Superintendent (Girls Hostel)
Phone: 042-111-001-007 Ext: 805
Email: saimasaleem@ciitlahore.edu.pk

Boys Hostel

Mr. Abdul Shakoor Khan
Assistant
Phone: 0314-7973885, 042-111-001 007
Ext 845
E-mail: ashakoor@ciitlahore.edu.pk

Transport

Mr. Muhammad Bashir
Transport Officer
Phone: 042-111-001-007 Ext: 870
E-mail: mbashir@ciitlahore.edu.pk

Attock Campus**Director**

Dr. Sherzada Khan
Phone: 057-9316330-1
Fax: 057-9316329
E-mail: sherzada@comsats.edu.pk

Administration and Transport

Deputy Registrar

Mr. Malik Saleem Khan
Phone: 057-9316330-1
E-mail: saleem_khan@comsats.edu.pk

Hostel

Mr. Laeeq Mushtaq
Deputy Librarian/Hostel Warden
Phone: 057-9316330, Ext: 131
E-mail: laeeqmushtaq@comsats.edu.pk

Assistant Registrar (Academics)

Kh. Muhammad Ali Butt
Phone: 057-9316330-1
E-mail: alibutt@comsats.edu.pk

Sahiwal Campus

Director

Dr. Abdul Waheed
Phone: 040-4305007
Fax: 040-4305006
Email: director@ciitsahiwal.edu.pk

Administration

Deputy Registrar

Mr. Rana Adeel Abad
Phone: 040-4305001-3
E-mail: adeel@ciitsahiwal.edu.pk

Hostel

Dr. Muhammad Asrar ul Haq

Assistant Professor / Hostel Warden
Phone: 040-9200100, 040-4305001-3
E-mail: asrar@ciitsahiwal.edu.pk

Transport

Mr. Waseem Bahadur
Transport Officer
Phone: 040-4305001
E-mail: waseembahadur@ciitsahiwal.edu.pk

Vehari Campus

Director

Dr. Khair- Uz- Zaman
Phone: 067-3026443
E-mail: director@ciitvehari.edu.pk

Administration

Assistant Registrar

Mr. Yasir Ikram
Phone: 067-3028346
E-mail: yikram@comsats.edu.pk

Hostel

Mr. Qasim Umer
Lecturer
Phone: 067-3028346
E-mail: qasimumer@ciitvehari.edu.pk

Transport

Mr. Saleh Imran Khan
Assistant Registrar (Coordination)
Phone: 067-3028346
E-mail: salehimran@ciitvehari.edu.pk

Mr. Shuaib Rasheed Ghauri
Transport Assistant
Phone: 067-3028346
E-mail: shuaibghauri@ciitvehari.edu.pk

Virtual Campus

Interim Director

Dr. Bilal Zaka
Phone: 051-9258486, 051-9262231
Fax: 051-9258489
E-mail: bilal@vcomsats.edu.pk

Deputy Registrar (Administration)

Mr. Muhammad Nawaz
Phone: 051-9250010, 051-9258488
E-mail: nawaz@vcomsats.edu.pk

SALIENT FEATURES

ISO 9001:2008 Certified

Quality education and academic programs

Leading research and innovation

State of the Art Laboratories

World class highly qualified faculty

Affordable fee structure

Ranked among top 05 Universities of Pakistan as per HEC
Rankings based on QS format

Ranked among top 250 Asian Universities

Globally academic and research linkages


Rewarding careers after graduation

Clean and Green Campuses

Compiled and Prepared By: Registrar Secretariat, Principal Seat

Designed By: Madmob

Printed By: Pakistan Post Foundation

 www.comsats.edu.pk

 COMSATS Institute of Information Technology-Official

 COMSATSOOfficial