



UNDERGRADUATE  
**PROSPECTUS**  
2011 - 12



COMSATS Institute of Information Technology

# I

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 quenched; 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 futures with an open mind, not fearful of anything while exploring their chosen fields.



# Greetings from the Rector

I am delighted that you are holding a copy of our undergraduate prospectus in your hands and seriously thinking to make COMSATS Institute of Information Technology (CIIT) your choice destination for higher studies. CIIT chartered in 2000, started with a single classroom, meagre resources, offering a few certificate courses and a postgraduate diploma in Computer Studies; today stands at an enviable position, with a choice of seven campuses, five Faculties, sixteen Departments and 55 Programs to its prospective students. In a little over a decade since its inception, CIIT today has continued its forward march, never looking back, committed to excellence in teaching and research.

I would like you to read the prospectus carefully and if you find anything you wish to know in more detail, do not hesitate to contact any of our faculty members or the admission office on the campus of your choice, who can help and clarify your queries.

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 and pushing the modern day higher education scene in Pakistan. It has more than 18,000 full time students studying in a wide range of undergraduate, graduate and research 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 1,800 academic and active research scientists. Many of our faculty are of world renown, who are doing research at the



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

cutting edge of their respective disciplines. Their expertise is reflected in our teaching and has made this institution a credible centre of excellence both in quality teaching and in research, and their extension for the benefit of society at large through production of goods and services.

The Higher Education Commission's (HEC) research assessment exercise has confirmed our Institute's position among the top research institutions, with faculty undertaking research of national and international excellence. 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. In the year 2010 CIIT rose to number six position among all 134 institutions of Higher Education in Pakistan, as certified by the Higher Education Commission. This success has led to an ever increasing number of students joining the CIIT every year.

I personally extend to you an invitation to come, visit us at any of our seven campuses, and experience the difference that opens your minds and unleashes your hidden talents and energies. Be a part of the best to bring out the best. Needless to say, the future and destiny of Pakistan is its bright and energetic youth. Nothing less than an educated and skilled citizenry is a sine quo non of a modern, tolerant, pluralistic and developed Pakistan. And, I am proud to report that CIIT has already contributed more than 12,000 graduates so far to the rising number of such well educated and well skilled Pakistanis.

**Our motto: Learn to Excel!**





*The main Library at CIIT Lahore*



# Contents

## CHAPTER 1: INTRODUCTION

• Welcome to CIIT	11
• Charter of Degree Awarding Institute	13
• Board of Governors	15
• Mission	17
• Achievements	19
• Faculties, Departments and Centers	25
• Academic Programs	27

## CHAPTER 2: CAMPUSES

Islamabad	34
• History	34
• Academic Programs	34
• Facilities	34
• Extra Curricular Activities	37
• Celebrating Success	40
Abbottabad	42
• History	42
• Academic Programs	42
• Facilities	43
• Extra Curricular Activities	44
• Celebrating Success	45
Wah	47
• History	47
• Academic Programs	47
• Facilities	48
• Extra Curricular Activities	48
• Celebrating Success	49
Lahore	52
• History	52
• Academic Programs	52
• Facilities	53
• Extra Curricular Activities	55
• Celebrating Success	56

A view of Academic Block at CIIT Islamabad

Attok	59	Department of Development Studies	99
• History	59	• Master in Development Studies	100
• Academic Programs	59		
• Facilities	59	Department of Humanities	102
• Extra Curricular Activities	61		
• Celebrating Success	61	Faculty of Sciences	104
Sahiwal	63	Department of Mathematics	104
• History	63	• BS Mathematics	104
• Academic Programs	63		
• Facilities	63	Department of Physics	108
• Extra Curricular Activities	64	• BS Physics	108
• Celebrating Success	65		
Vehari	67	Department of Biosciences	111
• History	67	• BS Bioinformatics	111
• Academic Programs	67	• BS Biosciences	112
• Facilities	67		
• Extra Curricular Activities	68	Department of Environmental Sciences	114
		• BS Environmental Sciences	114
		Department of Earth Sciences	115
		• BS Earth Sciences	115
		Department of Pharmacy	118
		• Doctor of Pharmacy	118
		Faculty of Architecture and Design	120
		Department of Architecture	120
		• Bachelor of Architecture	120
		• Bachelor of Design	121
		Section – II: Dual Degree Programs at Lahore Campus	125
		• Computer Science	128
		• Business Administration	129
		• Electrical (Telecommunication) Engineering & Electrical (Computer) Engineering	130
		<b>CHAPTER 3: ACADEMICS</b>	
Section – I: Programs	73		
Faculty of Information Sciences & Technology	73		
Department of Computer Science	74		
• BS Computer Science	74		
• BS Telecommunication and Networking	74		
• Master of Computer Science	75		
Faculty of Engineering	79		
Department of Electrical Engineering	79		
• BS Electrical (Computer) Engineering	79		
• BS Electrical (Telecommunication) Engineering	80		
• BS Electrical (Electronics) Engineering	80		
• BS Electrical (Power) Engineering	81		
Department of Chemical Engineering	86		
• BS Chemical Engineering	86		
Department of Mechanical Engineering	88		
• BS Mechanical Engineering	88		
Faculty of Business Administration	90		
Department of Management Sciences	90		
• BS Business Administration	91		
• BS Economics	91		
• Bachelor of Business Studies	93		
		<b>CHAPTER 4: ADMISSIONS</b>	
		• Application Procedure	137
		• Special Seats	139
		• International Students	140
		• Scholarships	142
		• Semester Schedule	144
		• Campuses Location Guide	146
		• Contacts	148





Graduating students at Convocation in Islamabad



*British Prime Minister speaking to students in CIIT Islamabad*

# Introduction

## • Chapter 1

### 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 market to compete 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 IT applications was becoming the norm and a necessary accompaniment.

Pakistan was no exception but there was hardly any reputable Information Technology institute to cater to 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 at training 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 class room and one computer lab 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 less than two years, infused with success, CIIT earned for itself a degree awarding Charter from the Government of Pakistan in August 2000. Wah and Abbottabad Campuses

came up in June 2001. Lahore Campus followed in March 2002. In August 2002, all departments were moved to H-8 Campus in Islamabad. The Attock Campus was established in April 2004, followed by Sahiwal Campus in December 2006 and Vehari Campus in August 2008. Within the initial years of its establishment, CIIT's latest course structure, state-of-the-art facilities and dedication to quality started to make ripples in the IT education sector. The result of this has been an overwhelming demand that is being satisfied with the establishment of new campuses. The forthcoming campuses will be in Gujrat for which land has already been acquired. The Governments of AJK, Sindh and Baluchistan have indicated their willingness for the establishment of CIIT campuses in their provinces as well. In addition to this, on the advice of the Federal Government, efforts are also underway for opening an overseas campus in the Gulf region.

Thus, with the modest beginnings, CIIT has gradually placed itself in an enviable niche among the higher education institutions of Pakistan. Today it comprises of seven campuses, five faculties and sixteen departments, offering 55 programs in a wide array of disciplines to its current and prospective students. Its ranking in the top seven Institutions of higher learning in Pakistan is a distinction CIIT is proud of.

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



## Charter of Degree Awarding Institute (DAI)

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

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

The Board of Governors has representation from the Ministry of Science and Technology, Ministry of Education, 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.



*Members of the Board of Governors*

# 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 Education, Islamabad or his nominee	Member
Chairman Higher Education Commission or his nominee	Member
One Nominee of Educational NGOs	Member
Three Persons of Outstanding Merit nominated by the Managing Committee of the COMSATS	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
Total	19





*Students working in engineering lab*

# 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 to benefit the people of Pakistan in particular, and the Muslim Ummah and the world, as a whole. The Institute's mission is threefolds:*

- **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.



*Maulana Abdus Sattar Edhi receiving an honorary doctorate degree from England during convocation at Islamabad*



*Group photo of award recipients of CIMI Medals 2008-9 in Islamabad*

# Achievements

## Linkages with National and International Institutions

The CIIT in its brief history of ten years has made landmark achievements by signing almost four dozen 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 workout on staff development programs and other academic related activities.

The list of some of the prominent MoUs is as follows:

### I. International MoUs

S.No.	Name of Institution
1.	Lancaster University, UK
2.	Institute of Technology Petronas SDN. BHD, Malaysia
3.	TWAS-UNESCO
4.	North Dakota State University (NDSU), USA
5.	University of Bedfordshire, UK
6.	Berjaya University College of Hospitality, Kuala Lumpur, Malaysia
7.	Sumgayit State University, Azerbaijan
8.	Simon Fraser University, Canada
9.	University of British Columbia Okanagan, Canada

10.	University of Sheffield, UK
11.	Azerbaijan National Academy of Sciences, Azerbaijan
12.	Alma Mater Studiorum – University of Bologna (Italy)
13.	Harbin Institute of Technology ( HIT ), China
14.	Queen Mary, University of London, U.K
15.	Merseburg University of Applied Sciences, IBK, Germany
16.	University of Illinois, Urbana-Champaign, USA
17.	The University of Essex, UK
18.	School of Management, University of Surrey, U.K
19.	Tampere University of Technology (TUT), Finland
20.	Helsinki University of Technology (TKK), Finland

### II. National MoUs

S. No.	Name of Institution/Organization
1.	Pakistan Telecommunication Authority (PTA)
2.	Islamabad Chamber of Commerce & Industry (ICCI)
3.	National Center for Physics (NCP)
4.	National Institute of Banking and Finance (NIBAF)
5.	Pakistan Meteorological Department (PMD)

## **Quality Enhancement**

At CIIT, we are always in the exciting process of dynamic change. During the previous ten years, for instance we have risen surely and steadily and still striving to be the number one. It gives us an opportunity to make self appraisals. Our rankings have been sustained by consistently 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. But 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 is aggressively working in this direction for developing policies and procedures. Assessment is a systematic process of gathering, reviewing and using important quantitative and qualitative data and information from multiple and diverse sources about educational programs, for the purpose of improving student learning, and evaluating whether academic and learning standards are being met. The process culminates when assessment results are used to improve student learning as well as enhance delivery and assessment mechanisms. A successful assessment program includes purpose identification, measurements and evaluation design, outcomes identification, data collection, analysis and evaluation and decision making regarding actions to be taken.

## **International Liaison**

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

The ILO 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 and training opportunities and collaborative research endeavours.

## **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:

### **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.

### **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.

### 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).

### 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 various levels, including testing for employment and for scholarships at advanced levels of education.

### Projects Undertaken

CIIT has also 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,



*CIIT delegation meeting with OIC Secretary General at Jeddah*

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.

### **Ranking**

Since its inception, independent entities have evaluated CIIT and the quality of its programs, such as the Higher Education Commission, Pakistan Engineering Council (PEC), National Computing Education Accreditation Council (NCEAC) 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.

The Higher Education commission (HEC) has carried out an exercise for the ranking of institutions of higher education in Pakistan. According to HEC's ranking of engineering universities, CIIT is at number 8 among the engineering institutions of higher education.

In terms of research output, CIIT has been consistently ranked at number seven among all the institutions of higher education numbering more than 134 in the country since 2006 till 2009, as notified by HEC, based on the Institute of Scientific Information (ISI) Web of knowledge (USA). It further improved its position and rose to number six ranking during 2010, as notified by the Higher Education Commission.

## Research Output

Faculty members are quite active in research in their respective fields. To encourage the research environment at CIIT, the management has also announced 'Cash Awards' for publications of research articles by CIIT's employees i.e. Rs. 5,000 & Rs. 10,000 for research articles published in national & international journals, respectively. CIIT has awarded four yearly cash awards till date. The total number of research articles published by them till 2010 is more than 1,000.

Faculty of Sciences	835
Faculty of Engineering	99
Faculty of Business Administration	134
Faculty of Information Sciences & Technology	48
Faculty of Architecture and Design	02
<b>Total</b>	<b>1,118</b>



A view of Islamabad Campus



A view of class room teaching at CIIT Islamabad

# Faculties, Departments & Centers

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

## Faculty of Information Sciences & 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

## Faculty of Business Administration

- Department of Management Sciences
- Business Incubation Centre (BIC)
- Department of Development Studies
- Department of Humanities

## Faculty of Sciences

- Department of Mathematics
- Department of Physics
- Center for Quantum Physics (CQP)
- Department of Biosciences
- Inter disciplinary Research Center in Biomedical Materials (IRCBM)
- Department of Environmental Sciences
- Department of Earth Sciences
- Department of Meteorology
- Department of Chemistry
- Department of Pharmacy

## Faculty of Architecture & Design

- Department of Architecture



Books exhibition at CIIT Sahiwal



*Engineering Block at CIIT Abbottabad*

# Academic Programs

CIIT is a world-class institution of higher learning with multi-campuses across the country. It aims to benefit youth of various regions and to give a chance to the students to opt for location of their preference. The CIIT has its Principal

Seat in Islamabad. Other than Islamabad, there are six fully functioning campuses at Wah, Abbottabad, Lahore, Attock, Sahiwal and Vehari. With the expected government support, more campuses will be established in the near future. Presently, the Institute in the respective campuses offers the following undergraduate degree programs:

## Undergraduate Programs Offered for 2011-2012

#	Academic Programs	Islamabad	Abbottabad	Wah	Lahore	Attock	Sahiwal	Vehari
Bachelor of Science in								
1.	Bioinformatics	🎓					🎓	
2.	Biosciences	🎓						
3.	Business Administration	🎓	🎓	🎓	🎓 *	🎓	🎓	🎓
4.	Chemical Engineering				🎓			
5.	Computer Science	🎓	🎓	🎓	🎓 *	🎓	🎓	🎓
6.	Earth Sciences		🎓					
7.	Economics	🎓	🎓		🎓			
8.	Electronics	🎓						
9.	Electrical (Computer) Engineering	🎓	🎓	🎓	🎓 *			
10.	Electrical (Electronics) Engineering		🎓			🎓		
11.	Electrical (Power) Engineering		🎓					
12.	Electrical (Telecommunication) Engineering	🎓		🎓	🎓 *			
13.	Environmental Sciences		🎓					

#	Academic Programs	Islamabad	Abbottabad	Wah	Lahore	Attock	Sahiwal	Vehari
14.	Mathematics	🎓						
15.	Mechanical Engineering						🎓	
16.	Physics	🎓			🎓			
17.	Telecommunication & Networking		🎓	🎓			🎓	🎓
Bachelor of								
18.	Architecture	🎓			🎓			
19.	Business Studies	🎓	🎓	🎓	🎓	🎓	🎓	🎓
20.	Design	🎓			🎓			
Doctor of								
21.	Pharmacy (Pharm – D)			🎓				
Master of								
22.	Computer Science			🎓		🎓		🎓
23.	Development Studies			🎓				

\* Under Dual Degree Program (DDP) with Lancaster University, U.K.



*A view of Central Library at CIIT Islamabad*





Architecture Students having a good in CIIT Islamabad



# Chapter 2

# Campuses



*Glimpses of CIIT Campuses*

The COMSATS Institute of Information Technology (CIIT) offers its students a wide array of study programs at its seven campuses across the country. Currently around 18,000 students are enrolled in the Bachelor, Master, MS and PhD programs at CIIT. The CIIT has well qualified faculty, trained staff, adequately stocked library resources and latest research equipment.

At present seven campuses are functioning at:

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

More campuses are also in the process of establishment in Azad Jammu Kashmir, 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

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

Islamabad Campus, the main campus of CIIT is situated at Chak Shahazad, Islamabad. Currently more than 5,000 students are enrolled in various degree programs at this Campus.

Islamabad Campus provides what a discerning student is looking for in a learning environment, academic excellence, quality teaching, and constructive leisure activities. We appreciate that it is crucial for today's student to work in a physical environment conducive to study. Here the faculty not only teaches but mentors the young and impressionable



minds. The newly built campus is fully equipped with facilities of international standards.

## Academic Programs

The following undergraduate programs are on offer at Islamabad:

■ Bioinformatics	BS(BI)
■ Biosciences	BS(BS)
■ Business Administration	BS(BA)
■ Business Studies	BBS
■ Computer Science	BS(CS)
■ Economics	BS(ECO)
■ Electronics	BS(Elec)
■ Electrical (Computer) Engineering	BS(ECE)
■ Electrical (Telecommunication) Engineering	BS(ETE)
■ Mathematics	BS(Math)
■ Physics	BS(Phy)
■ Architecture	B.Arch
■ Design	B.Des

## Facilities

The campus is spread over 43 acres with a total covered area of 354,261 sft. The campus comprises of 56 class rooms, 45 laboratories and the Central Library with a covered area of 55,000 sft.

## Lecture Theatres

CIIT Islamabad has 56 spacious lecture theatres, with a total covered area of 35,000 sft. Each theatre has a capacity for 100-120 students. All lecture theatres are IT enabled, air-conditioned, well furnished, and well maintained.

## Computer Labs

The Campus has deployed state-of-the-art IT infrastructure with a total number of 45 computer labs with a total covered area of 35,000 sft. More than seven hundred & fifty 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 labs are Electronics, Microprocessor, VLSI and DSP and Biosciences laboratories.

## Library

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

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

facilities in the library connect users to libraries around the world for reference, assistance and consultation.

The stock consists of about 36,000 latest books on a variety of disciplines like Electrical Engineering, Mathematics, Physics, Biosciences, Computer Science, Business & Management, Design & Architecture, English Language and Literature. Our target of books is about 750,000 for the faculty and students.

## Library Automation

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

## Reference Services

CIIT library has dedicated staff to provide efficient and reliable reference services and users can make queries by filling "Research Inquiry Form" and submitting it to Services Department of library.

## Bibliographic and Book Information Services

Library compiles bibliographies for users on request and

provides information about national and international publishers and book traders.

### **Interlibrary Loan and Searching Facility**

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

### **International Library Loan and Photocopying Service**

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

The library is also subscribing to the following on-line services:

### **Digital and E Library**

The library is providing complete access to more than 32,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 22 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. In addition to 32,000 journals, the Library is also giving access to around 50,000 online books through 12 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. Apart from this there are more than 10,000 e-books on different subject areas 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.

A team comprising a number of professional staff is assigned to download the relevant books relevant to our taught courses from the open source and upload these books for use by the faculty, staff and students.

### Common Room for Girls

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

### Catering Services

A food-street style catering service 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 500 persons can pray inside the mosque. Now plans have been finalised to construct a land mark mosque on Islamabad Campus with capacity to accommodate more than 1,000 people, with separate facility for females and people with special needs.

### Photocopying Facility

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

### Hostels

Although Islamabad Campus does not have dormitories on Campus; it has arranged rented hostel accommodation for 300 male and 150 female students. Further information on residential facilities is available from the Provost Office at the Islamabad Campus.

### Extra Curricular Activities

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

### Adventure Club

The Adventure Club organizes adventurous activities for students. The activities include excursions, hiking and trekking, visits to historical places, hill stations and geological sites. The Adventure Club currently has more



than 250 student members. Here the adventurous will find good company to give vent to their unbridled spirits.

### Bazm-e-Adab

Public speaking is a rewarding art that one acquires through sheer practice. The objective of having the Bazm-e-Adab is to create interest in public speaking in the students by instilling in them confidence, self assuredness and among 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 Art 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 centre 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 to the personal, academic and professional needs of the students of CIIT.

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 CDC, CIIT 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 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 co-op opportunities
- d) Personality Development
- e) Job fairs
- f) Etiquette workshops
- g) Résumé and interview preparation
- h) In-house trainings
- i) Campus interviews and employer contacts

As they say a step at a time and in time marks the start of a journey. We are sure that this step will go a long way in developing the students of our institution. So we invite you to be a part of the saga and let's make the world dance to our own tunes.

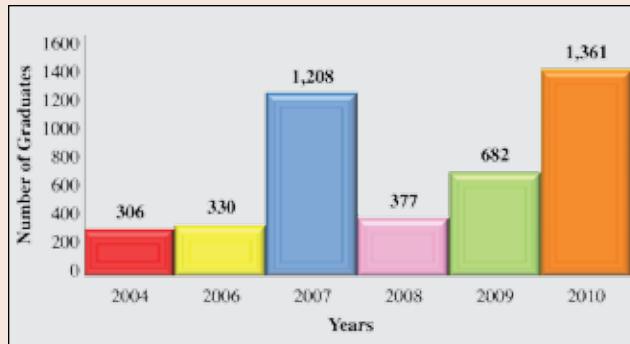
We encourage you in taking the opportunity to meet our professional team face to face at the Career Development Center or during one of our many special events. Our team, programs, and resources are available to you every step of the way.

Welcome, we look forward to helping you and meeting you!

## Celebrating Success

Since its inception CIIT Islamabad has produced 4,264 graduates. So far nine convocations have been organized. Out of 4,264 total graduates, CIIT Islamabad has produced a total of 3,908 young men and women for undergraduate programs. The faculty wise (undergraduate) detail of graduates is shown below:

### Islamabad Convocations



### Faculty wise Graduates

Faculty of Business Administration	1,937
Faculty of Engineering	991
Faculty of Information Sciences & Technology	591
Faculty of Sciences	366
Faculty of Architecture & Design	23



Academic procession at Islamabad



*Snow fall at CIIT Abbottabad*

# 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 donated by the Pakistan Army at Tobe Camp.

The abandoned army barracks were converted into a living campus within a short period of two months by the CIIT team. The premises of the campus comprise 19 old military buildings. These buildings are comprised of classrooms, library, labs, faculty offices, administrative offices, hostels for boys and girls, and a cafeteria. Later on, few new academic blocks have also been added to the campus building.

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 eight departments, more than 5,000 students, 11 undergraduate programs, qualified faculty strength of 442 including 80 PhDs, and 44 modern laboratories. Our physical infrastructure emulates the best educational institutions of the country.

The natural climatic advantages of Abbottabad city, large land area, sports and recreation facilities and above all, a secure and friendly environment, have all combined to make the Abbottabad campus more of a resort. The campus is an ideal place to study, live and work. The campus area also encompasses parks, orchards and grounds, the lush green grounds, blooming flowerbeds and trees. Set in these environs, with a panoramic background view of Thandiani and Galiat mountains, makes CIIT Abbottabad campus a perfect place to study with complete peace of mind.

The academic culture and environment are both challenging and exciting and since its start, the Campus has maintained a fast pace of development and is now an ideal seat of learning, research, and recreation. It has truly emerged as a regional leader in hands-on learning and innovation in many areas of science and technology.

## Academic Programs

The following undergraduate programs are on offer at Abbottabad:

■ Business Administration	BS(BA)
■ Business Studies	BBS
■ Computer Science	BS(CS)
■ 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)
■ Pharmacy	Pharm – D
■ Telecommunication & Networking	BS(TN)
■ Development Studies	MDS

## Facilities

### Accommodation and Housing

There are four on-campus hostel buildings to accommodate approximately 800 male and 150 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 made for comfortable living. Boarders have access to a 24-hour campus store and a mosque. CIIT hostels are managed by wardens who also look after the safety and security of students. Cultural and traditional norms are strictly followed in the hostels. A separate hostel for the faculty is also under construction.

### COMSATS Community Development Unit (CCDU)

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

### COMSATS Technology Centre (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.

### Electronics/Computer Engineering Facilities

CIIT Abbottabad is maintaining seven major state of the art laboratories to facilitate students and keep them up with the latest technologies in the sector of electronics and engineering. These labs include digital logic/microprocessor lab, telecommunication / DSP lab, control/instrumentation lab, VLSI lab, Machine lab, and power systems lab.

### 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 sft, contains over 25,000 books and is growing rapidly. It subscribes to more than 21 research journals and magazines. Computers have been provided for browsing the web and the digital library. Photocopy and bookshop facilities are also present 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.

### Digital and E Library

The library is providing complete access to more than 32,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 22 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. In addition to 32,000 journals, the Library is also giving access to around 50,000 online books through 12 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. Apart from this there are more than 10,000 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.

### Cafeteria

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

### Common Room for Girls

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

### Career Development Center

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

### Extra Curricular Activities

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

### Clubs and Societies

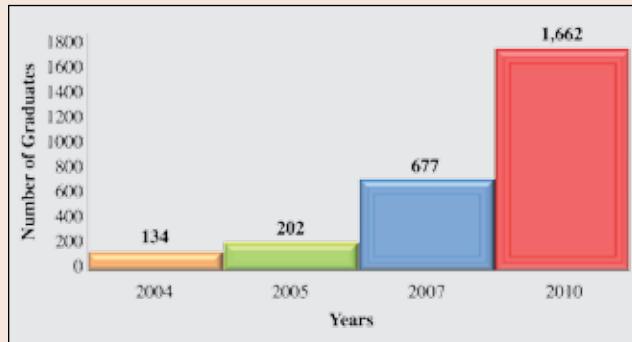
Clubs and societies are very important for creative activities on campus. A large number of clubs and societies are active at the Abbottabad Campus. These societies are involved

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 2,675 graduates. So far six convocations have been organized.

### Abbottabad Convocations



Out of 2,675 total graduates, CIIT Abbottabad has produced a total of 2,473 young men and women for undergraduate programs. The faculty wise (undergraduate) detail of graduates is shown below:

### Faculty wise Graduates

Faculty of Business Administration	947
Faculty of Engineering	898
Faculty of Information Sciences & Technology	579
Faculty of Sciences	49



Convocation at CIIT Abbottabad



A view of Quaid-e-Azam Block at CIIT Wah

# Wah Campus

## History

The opening of a new campus of COMSATS Institute of Information Technology in the historical and industrial town of Wah, was a joint effort of the CIIT and POF (Pakistan Ordnance Factories) Wah. CIIT started its campus at Wah in a record period of 70 days. The Minister for Science and Technology/Chancellor CIIT, formally inaugurated the Institute on September 14, 2001.

The Campus is situated on Quaid Avenue at the Mall, Wah Cantt. It is a place where people from all over Pakistan are exhibiting their unique skills. Due to its location, Wah is easily accessible to the students coming from Wah, Taxila, Rawalpindi, Hassanabdul 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 Information Technology and its incorporation in the industry. POF itself is a market with very high potential. A world class IT institute in the region has paved the way for knowledge and learning of IT, thus proving its worth and adding value to the region and to the country as a whole.

The campus was the first of its kind in Wah Cantt at the time of its establishment. It has a modern infrastructure and highly professional teachers. CIIT Wah is fully equipped to handle the dynamics of the fast paced IT 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. The campus provides state-of-the-art facilities for the acquisition of

knowledge and skills in the field of IT. A 20-year lease agreement was signed between POF and CIIT, in 2003 for renting two new academic blocks. The total area of the campus is 168,700 sft, whereas, the combined covered area of the two blocks is approximately 75,000 sft that are now operational to meet the ever-increasing requirements of an expanding campus. Currently more than 1,700 students are enrolled in the disciplines of Business Administration, Computer Science and Electrical Engineering. For the establishment of a permanent campus the Institute has recently purchased a piece of land near Brahma Bahtar, Interchange on Motorway, M-1. The Ground breaking ceremony was held on March 01, 2011. In the first phase one block will be constructed for Wah Business School which will accommodate 2000 students and one mosque for 500 persons.

Only 45 minutes drive from Rawalpindi, the campus is ideally suited for students who wish to seek education in a conducive environment.

## Academic Programs

The following undergraduate programs are on offer at Wah:

■ Business Administration	BS(BA)
■ Business Studies	BBS
■ Computer Science	BS(CS)
■ Electrical (Computer) Engineering	BS(ECE)
■ Electrical (Telecommunication) Engineering	BS(ETE)
■ Telecommunication & Networking	BS(TN)
■ Computer Science	MCS

## **Facilities**

### **Lecture Rooms**

CIIT Wah has 22 spacious lecture rooms which are fully furnished, air-conditioned and nicely maintained. Teaching aids such as projector and multimedia facilities are available in every classroom.

### **Labs**

Keeping in view the importance of practical training, Wah campus has established 10 modern computer and Electrical Engineering labs, which have around 330 state-of-the-art computers connected through LAN and WAN. These labs including Electronics (Analogue and Digital), Communication Engineering, Microprocessors, Control Engineering, machine labs, etc. have state-of-the-art equipment to give practical exposure to the engineering students. Proper lab manuals, attendance, quality assurance and supervision are ensured by the department during use of labs.

### **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. We are in close contact with leading book importers to ensure a proper and timely update gradation in library resources. There are over 15,500 hard copies of books and almost 5,500 non-book materials (CDs, Audio/Video).

### **Digital and E Library**

The library is providing complete access to more than 32,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 22 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. In addition to 32,000 journals, the Library is also giving access to around 50,000 online books through 12 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. Apart from this there are more than 10,000 e-books on different subject areas 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.

### **CU-Online (Campus Based Internet Services Setup)**

Swift and efficient communication services are needed to connect to the rest of the world. This not only affects the sharing of knowledge and latest techniques but also makes the student aware of the advancements taking place in the world. CIIT Wah has developed its own ISP containing latest CISCO routers and fast-servicing equipment. CIIT provides this facility over the LAN. All these facilities are provided to our faculty, staff and students round the clock on Campus. This facility will soon be provided to the faculty and students at home as well.

### **Book Shop**

In any IT 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 updated books are available at reasonable prices.

### **Extra Curricular Activities**

CIIT Wah provides an excellent academic atmosphere to its students. 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.

### **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.

### **Job Fair/ Placement**

Wah Campus organizes annual job fairs and expos. Leading national and international companies and corporations, both public and private, attend these fairs to the graduating meet students and assess their skills. Through these fairs, our students have been hired for various important projects and to entry level positions.

The Wah Campus actively works for the placement of their students by strengthening the contacts between industry and CIIT. This give the students an opportunity to work on the latest technical problems and designs in their final year projects and to present themselves in effective manner before prospective employers. The campus guides its alumni to work in suitable areas of engineering and technology.

### **Visio Spark**

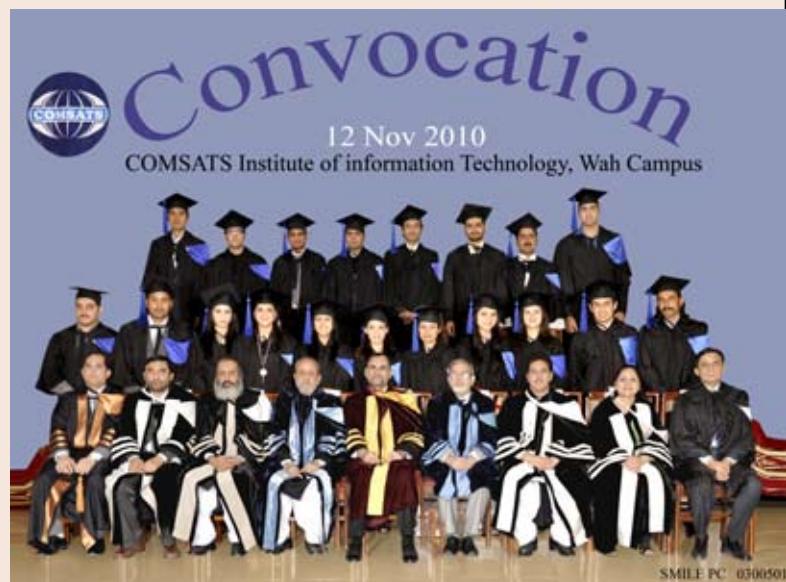
Visio Spark, the computing gala, a tradition of Wah, provides an opportunity for young learners to polish their newly acquired skills. Every year Wah holds this exhibition in collaboration with local industry to display talents of CIIT students.

### **Sports Week**

Considering the importance of sports in an academic institution, there are a number of activities organized at Wah. Every semester, a sports week is held where, competitions in volleyball, football, basketball, badminton, table tennis, cricket, squash and athletics are arranged. The Institute also actively participate at national level mega events and has earned many laurels, such as, the Champion of Youth Carnival 2010.

### **Celebrating Success**

Since its inception CIIT Wah has produced around 1,672 graduates. So far eight convocations have been organized.





## Wah Convocations



Out of 1,672 total graduates, CIIT Wah has produced a total of 1,635 young men and women for undergraduate programs. The faculty wise (undergraduate) detail of graduates is shown below:

## Faculty wise Graduates

Faculty of Business Administration	1,010
Faculty of Information Sciences & Technology	360
Faculty of Engineering	265



*A view of CIIT Wah*

# Lahore Campus

## History

The Lahore Campus is located on Defence Road, Off Raiwind Road and is 30 minutes 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 420,000 sft.

The campus is equipped with state-of-the-art computers and electronics labs. During a short span of time, the continuous efforts of the dedicated faculty 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.

The campus consists of one administration block, five workshops, five academic blocks, a mosque, boys and girl's hostels 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 children of industrial workers free of cost, besides other scholarships.

## Academic Programs

The following undergraduate programs are on offer at Lahore:

■ Architecture	B.Arch
■ Business Administration*	BS(BA)
■ Business Studies	BBS
■ Chemical Engineering	BS(ChE)
■ Computer Science*	BS(CS)
■ Design	B.Des
■ Economics	BS(Eco)
■ Electrical (Computer) Engineering*	BS(ECE)
■ Electrical (Telecommunication) Engineering*	BS(ETE)
■ Physics	BS(Phy)

\* Under Dual Degree Program (DDP)

## CIIT – Lancaster University Dual Degree Program (DDP)

In addition to its own degree programs, CIIT in collaboration with Lancaster University (LU), UK is also offering the Dual Degree Program (DDP) at its purpose built Lancaster block, Lahore. The DDP provides an alternate path to a highly regarded foreign degree at highly reduces cost and without physical displacement. Students enrolled in DDP at Lahore Campus are considered as the “external students” of LU with full access to all online academic facilities available to the other regular students at Lancaster University.

It is pertinent to mention that CIIT-LU Dual Degree Program has been launched in line with the commitment of Government of Pakistan to establish professional linkages with prestigious international universities and research and development institutions.

Further, the DDP has been the part of the strategic direction set by the Prime Minister of Pakistan in March 2009 to emphasize the need for CIIT to develop into a ranking university of Pakistan, having international standards and competing globally.

At present, three undergraduate programs are on offer, i.e. Business Administration, Computer Science and Electrical (Telecom) Engineering. On successful completion of all degree requirements, students shall be offered 02 degrees; one from CIIT and the other from Lancaster University, UK.

The complete details of Dual Degree Program and its requirements are available in Section II of Chapter 03 at page no. 125.

## Facilities

### Accommodation

The campus provides hostel facility for both boys and girls students. The facility is available on first-come-first-serve basis and accommodates around 500 male students and around 300 female students. For further details, warden office on the campus may be contacted.

### Transport

CIIT provides pick and drop services to facilitate the students and employees of the campus. Eleven buses and four coaches have been arranged to provide this service between campus and inner city on subsidized rates.

### Lecture Rooms

The campus has spacious 47 furnished lecture rooms. Each has a capacity for fifty or more students and is properly maintained. Most of these classrooms are furnished with multimedia facility for teaching purposes.

### Computing, Networking Services and Labs

Computing and Networking Services (CNS) are charged with overall responsibility for the computing & networking infrastructure and technical support, necessary to sustain the campus programs, instructions, research and administration. In addition to providing many services directly, CNS also serves as liaison with other campus computing offices, including the ISP, which provides computing and networking services to the campus as a whole. There are 44 labs including 8 air conditioned computer labs, each equipped with fifty workstations with internet facility, along with server room have been setup at the campus. A number of multimedia and overhead projectors are also available.



## **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 staffs provide one-on-one training and group instruction. If students need help in finding books, identifying authors or titles, the library staff is happy to assist. The library is open from morning till evening six days a week. Collections of more than 16,000 books, 30 journals, 16 magazines along with CDs and videos have been provided for the students.

## **Digital and E Library**

The library is providing complete access to more than 32,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 22 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. In addition to 32,000 journals, the Library is also giving access to around 50,000 online books through 12 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. Apart from this there are more than 10,000 e-books on different subject areas 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.

## **COMSATS Students Services (CSS) and Job Placement Cell (JPC)**

CSS has been established at CIIT Lahore Campus to provide students with a range of services designed to help and assist them adjust to 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 solution to their everyday problems including their adjustment to university environment, handling of academic as well as peer pressure etc. CSS achieves these goals through implementation of many programs, both within and outside the campus. CSS arranges many co and extra-curricular activities in order to bring the best out of students and prepare them to the rigors of competition and fair play.

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



## **Common Room for Girls**

A comfortable and spacious common room has been established 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.

## **Cafeteria**

The cafeteria is responsible for catering meals, snacks and beverages for the faculty, staff and students at reasonable 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 Centre has been established near the girls' hostel under the supervision of a qualified Resident Medical Officer.

## **Mosque**

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

## **Extra Curricular Activities**

### **Computer Science Society**

The Computer Science Society organizes seminars, quiz programs and other events related to computer sciences. Members of the society have represented the Institute at several forums and competitions, and have brought back honours & prizes.

### **Electronics Society**

The Electronics Society organizes competitions, quiz



programs, seminars and other related events in the field of electronics. This is one of the most popular societies and has a regular activities calendar.

### **Prismic, Art and Culture Society**

This Society organizes art, drama, and singing competitions, seminars, quiz programs, debates, mushaira, naat and qirat competitions, movie shows and current affairs competitions. It promotes development of innate talents of students apart from academic excellence.

### **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. One Newsletter is a semester wise output that focuses on day-to-day milestones reached. It also highlights various events about various academic and extra-curricular purposes.

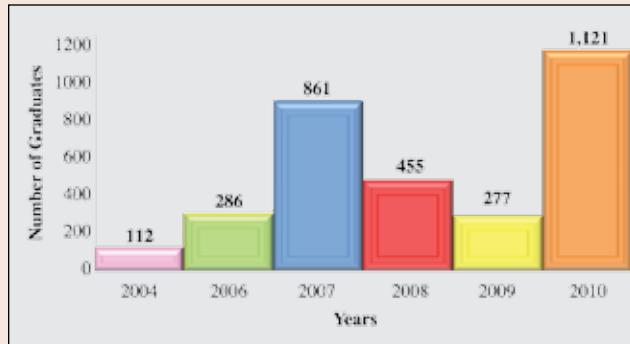
### Seminars

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 more than 3,112 graduates. So far ten convocations have been organized.

### Lahore Convocations



Out of 3,112 total graduates, CIIT Lahore has produced a total of 3,031 young men and women for undergraduate programs. The faculty wise (undergraduate) details of graduates are shown next:

### Faculty wise Graduates

Faculty of Business Administration	1,701
Faculty of Engineering	798
Faculty of Information Sciences & Technology	532





*A view of Convocation at Lahore*



# 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 the far flung and under developed areas to take advantage of the opportunities of state-of-the-art education. 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 Pukhtoonkhwa. 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 are attracted 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.

## Academic Programs

The following undergraduate programs are on offer at Attock:

■ Business Administration	BS(BA)
■ Business Studies	BBS
■ Computer Science	BS(CS)
■ Electrical (Electronics) Engineering	BS(EIE)
■ Computer Science	MCS

## Facilities

Higher education in emerging fields requires huge investment in infrastructure and facilities that are made available to achieve the international standards of education. Despite its young age, the campus has arranged adequate resources to facilitate the students, teachers and staff members. The campus is in a continuous process of progress and is making addition to its existing resources. The detail of the resources is given as follows:

## Lecture Rooms

All 9 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 all students.

## Library

The library is airy, well lighted and provides an ideal place for quiet study and has around 4500 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.

## Digital and E Library

The library is providing complete access to more than 32,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 22 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. In addition to 32,000 journals, the Library is also giving access to around 50,000 online books through 12 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. Apart from this there are more than 10,000 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.

### **Computing Network**

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

### **Mosque**

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

### **Cafeteria**

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

### **Transport**

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

### **Hostel**

The campus provides hostel facility for both male and female students separately and accommodates 50 males and 20 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.

### **Labs and Network Department**

An electronics lab equipped with latest test and measuring instruments/equipment has also been established at CIIT Attock. The LAN of CIIT provides high-speed Internet connectivity, printing and data storage facility. There are two general purpose computer labs, one project lab and three Electrical Engineering labs for the students. The labs are fully equipped with latest computers and with all the

necessary facilities. All the labs are available throughout the week. Student Help Desk is always ready to provide friendly and expert guidance/assistance, so the students can make good use of most of the resources.

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) certificate 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

### Sports

Students participate in many indoor and out door games including badminton, table tennis and cricket. Both male and female students actively participate in sports activities.

### Seminars

Organization of seminars is a regular feature at Attock Campus. Seminars' content is mostly related to academic subject matters. These forums have always provided a good opportunity for healthy debates and discussions.

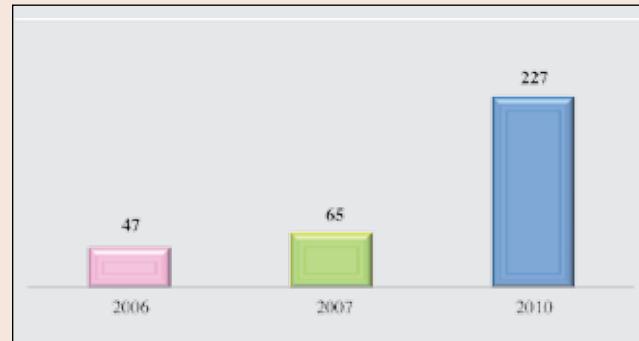
### Funfairs

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

## Celebrating Success

Since its inception CIIT Attock has produced 339 graduates. So far four convocations have been organized.

### Attock Convocations



The faculty wise (undergraduate) details of graduates are shown below:

### Faculty wise Graduates

Faculty of Business Administration	281
Faculty of Information Sciences & Technology	58





*A view of CIIT Sahiwal Campus*

# 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, mangoes and guava. Sahiwal is a green and fertile town and agriculture is important to the local economy. Sahiwal is also famous for its water buffaloes and milk-rich cows. The establishment of CIIT Campus at Sahiwal besides providing higher education facilities in the highly demanded market oriented disciplines, also provides state-of-the-art facility for research and development in these fields. 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.

Sahiwal Campus has surfaced as the most vibrant educational institution in Sahiwal. It has been able to fetch the record high intake ever witnessed at any CIIT Campus for its pioneer batch. 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 900 students.

## Academic Programs

The following undergraduate programs are on offer at Sahiwal:

■ Bioinformatics	BS(BI)
■ Business Administration	BS(BA)
■ Business Studies	BBS

■ Computer Science	BS(CS)
■ Mechanical Engineering	BS(ME)
■ Telecommunication & Networking	BS(TN)

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 consented area of 68,000 sft. Currently, there are 7 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 3,500 books, 15 journals and a number of CDs. It has a rich collection of latest publications on all the business related subjects. It is equipped with all the latest titles & 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.

## Digital and E Library

The library is providing complete access to more than 32,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 22 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. In addition to 32,000 journals, the Library is also giving access to around 50,000 online books through 12 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. Apart from this there are more than 10,000 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.



## Computer Labs

Sahiwal Campus offers the most modern computing facilities with the latest operating systems and software packages. Seven state-of-the-art computer labs for Computer Science, Bio Sciens and Mechanical Enginering students have been established. Broadband Internet connectivity plays an important role in facilitating the faculty and students for academic as well as research and development activities. Students are provided with facility of free internet access. Computer lab is equipped with latest multimedia facilities like multimedia projectors, scanner, CD writers and printers.

## Hostel Facility

CIIT Sahiwal has provided the students (60 males, and 20 females) with a furnished hostel 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.

## 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.

## Celebrating Success

Since its inception CIIT Sahiwal has produced 218 Graduates and so far has held its maiden convocation.

## Sahiwal Convocations



All the graduates have so far been from the Faculty of Business Administration.





*A view of CIIT Vehari*

# Vehari Campus

## History

COMSATS Institute of Information Technology has achieved yet another milestone by opening its 7<sup>th</sup> Campus at Vehari. Located in the heart of the country's biggest province Punjab, and famous for its fertile lands, Vehari is the center piece of 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 borders with Bahawalnagar and Bahawalpur districts on the Southern side, Pakpattan district on the Eastern, Lodhran district on the Western and Sahiwal and Whanewal districts on the Northern side.

Vehari Campus was inaugurated on 17<sup>th</sup> August, 2008. Vehari campus started with an enrolment of 45 students in MBA and now has 150 total enrolled students. Previously, a temporary campus was functioning in a hostel building of the Government College for Boys Vehari. However for the establishment of the permanent Campus at Vehari, Government of Punjab has transferred more than 415 Kanals land located at two different places in the Vehari city. One block has been constructed in which the classes are now taking place.

CIIT Vehari plans to impart quality education in order to make students capable professionals, sensitive intellectuals and responsible citizens. Driven by market forces, technological revolution and globalization, CIIT Vehari aims to instil a research culture for economic and human resource development in this region.

## Academic Programs

The following undergraduate programs are on offer at Vehari:

■ Business Administration	BS(BA)
■ Business Studies	BBS
■ Computer Sciences	BS(CS)
■ Computer Sciences	MCS
■ Telecommunication & Networking	BS(TN)

## Facilities

### Computer Labs

Vehari Campus is equipped with two state-of-the-art general purpose computer Labs with most updated computer systems and operating environment. Our computer networks connect internally at LAN & WAN connectivity with connection of 4Mbps broadband for students and faculty members. Modern computer accessories like color printers, scanners, DVD writers, multimedia projectors, digital camera are also available for the students. To enhance the efficiency of staff, computer note books are also provided. To maintain an uninterrupted working environment, network is backed with high-tech UPS, and generator. The Vehari campus is about to switch its data storage to CU-Online, which is an in-house developed version of COMSIS, to automate the institutional functionality.

### Library

Library is expected to be the treasure-house of knowledge. The campus has procured more than 2,000 books and 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.

## Digital and E Library:

The library is providing complete access to more than 32,000 high quality, peer-reviewed journals, conferencing proceedings and articles through 22 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. In addition to 32,000 journals, the Library is also giving access to around 50,000 online books through 12 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. Apart from this there are more than 10,000 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.



## Hostel for Male Students

Vehari Campus is committed to providing students with furnished hostels that cater for all those facilities that a student needs. With an accessible location of less than three kilometer from the campus and in a safe residential area near the city main market, the hostel provides male students an ideal living and study place. Hostel is furnished with dining hall, refrigerator, microwave oven, TV, newspaper and internet 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 & generator as power backup for power load shedding.

## 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, 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.

## Career Development Cell

All employers hire 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 offers 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.



Rector at the Inauguration at CIIT Vehari





*Studio class of Architecture students at CIIT Islamabad*



# Chapter 3

# Academics

## Section – I

### Faculties, Departments and Programs

#### Faculty of Information Sciences & Technology

The Faculty of Information Sciences and Technology is comprised of Department of Computer Science and Health Informatics Unit. However, the undergraduate programs are being offered in Department of Computer Sciences as follows.

#### Department of Computer Science

The department of Computer Science was established in 1999 at Islamabad and enrolled the pioneer batch of students in Fall 1999. The department made a modest beginning and is now proud of its excellent facilities and internationally qualified faculty members along with its presence at Campuses of CIIT.

The Department aims to impart 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.

We are aware of everyday breakthroughs in modern technology and thus committed to equipping and imparting our students with advanced competencies required to manage the growing needs of science and technology, especially computer sciences, in almost every professional field today.

Research activities have been given high priority within the department. This has resulted in national and international recognition for our faculty and students alike. A number of research papers of national and international repute have been published in leading journals and presented at conferences all over the world. The department has dedicated research groups working in the areas of Databases, Algorithms, Artificial Intelligence, Computer Vision and Security Systems.



## Academic Programs

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

### Bachelor of Science in Computer Science: BS(CS)

Program	BS(CS)
Eligibility	Intermediate or equivalent with minimum 50% marks, from an accredited institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	134
Campus Offering	Islamabad, Abbottabad, Wah, Lahore (under DDP), Attock, Sahiwal & Vehari.



The program focuses on instilling comprehensive Computer Science knowledge among students and exposing them to issues involved in the development of scientific, educational and commercial applications of computer science. The degree 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. It is a four years program of eight semesters, each semester running for sixteen weeks. The degree is awarded to students on the successful completion of a minimum 137 credit hours, including six credits for the project, with a minimum CGPA of 2.0/4.0.

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

Programs	BS(TN)
Eligibility	Intermediate or equivalent with minimum 50% marks, from an accredited institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	137
Campus Offering	Wah, Abbottabad, Sahiwal and Vehari

Telecommunication and Networking (TN) is aimed at catering to the human resource needs in the fast growing industry of telecommunications and networking. In the program, the focus is on 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.

It is a four years program consisting of eight semesters. The degree is awarded on completion of minimum 138 credit hours, including six credits for the project, with a minimum passing CGPA of 2.0/4.0.

### Master of Computer Science: MCS

Programs	MCS
Eligibility	Bachelor degree or equivalent with minimum 50% marks, from an accredited institution.
Session	Fall and Spring
Semesters	4
Number of Years	Two Years
Credit Hours	73
Campus Offering	Wah, Attock and Vehari

Master of Computer Science is designed for students who wish to improve their knowledge of recent developments in information technology and to deepen their understanding in computer science. It is a two years program consisting of four semesters. The degree is awarded on completion of a minimum of 73 credit hours, including six credits for the project, with a minimum passing CGPA of 2.0/4.0.

### Relevance of Programs

The Department of Computer Science offers competitive degrees in rapidly expanding areas of study. Our qualified faculty and excellent facilities ensure that students have a solid technical grasp on their subject that enables them to

apply this knowledge in practical work settings.

Our liaison with the Higher Education Commission and Ministry of Science and Technology help us keep up-to-date with new policy initiatives and market driven incentives being unrolled by the government and private sector.

Past experience demonstrates that our program contents are relevant and very much in demand in all areas related to Information Technology. International markets are expanding their businesses and research interests in Pakistan which have not only increased the scope of employment but also expanded local opportunities through market competition.

Leading institutions and organizations in Pakistan and abroad seek computer science graduates for entry to mid level management and research positions in the fields of Information Technology.

### Learning Enhancing Activities

The department has been arranging various IT events to promote awareness and healthy professional activities among the students. Visio Spark, a regular annual event arranged at CIIT Wah, comprises project displays, quiz competition and on-the-spot programming competition. Research conferences like 'COMSATS Workshop on Research and Computing' (CWRC) and 'Frontiers of Information Technology' (FIT) encourage our students to undertake research and learning activities. Currently more than seventy faculty members of Computer Science department are abroad for their MS/ PhD studies. Three basic sources of scholarships available are funding by CIIT, HEC and self-support.

## Islamabad Campus

### Professors

- Dr. Maqbool Uddin Shaikh, PhD, Liverpool University, UK

### Advisor

- Ikram ul Haq , MS, University of Wales, UK

### Associate Professor

- Dr. Sajjad Mohsin, Chairman / Dean, PhD, Muroran Institute of Technology Japan
- Dr. Romana Aziz, PhD University of Manchester, UK (On Study Leave)

### Assistant Professor

- Dr. Nasro Min Allah, Head, PhD, GUCAS, China
- Dr. Shahid Nazir Bhatti, PhD, Kepler University, Austria (On Study Leave)
- Dr. Malik Najmus Saqib , PhD, Vienna University of Technology, Vienna, Austria (On Study Leave)
- Dr. Majid Iqbal Khan , PhD, University of Vienna, Austria
- Dr. Farrukh Munir, PhD, Institute Eurecom, Sophia Antipolis, France
- Dr. Abid Khan, PhD, Harbin Institute of Technology, China.
- Dr. Mansoor Ahmed Awan , PhD, Vienna University of Technology, Austria
- Dr. M. Manzoor Ilahi Tamimy, PhD, GSCAS Bangkok.
- Dr. Shehla Abbas, PhD University of Bordeaux, France
- Dr. Muhammad Tahir, PhD, Ecole National Superieur Des Telecommunication, Paris, France

- Dr. Zia uddin, PhD, Asian Institute of Technology, Pathum Thani, Thailand
- Dr. Muhammad Asim Noor, PhD, Johannes Kepler University Linz, Austria.
- Dr. Sadaf Tanvir, PhD, University of Grenoble, France
- Inayat-ul-Rehman, MCS, Barani Institute of Information Technology, Rawalpindi
- Basit Shahzad, MS, NUST, Islamabad
- Mukhtar Azeem Qureshi, M.Sc, UET, Taxila
- Muhammad Mustafa Khattak, M.Sc, Quaid-i-Azam University, Islamabad
- Zulqarnain Jaffery, M.Sc, QAU, Islamabad
- Omer Vikas, M.Sc, UET Texila (On Study Leave)
- Ahmad Raza Shahid, MS, Michigan State University, USA (On Study Leave)
- Akbar Ali, M.Sc (On Study Leave)
- Qasim Arshad Choudhry, MSc, New Jersey Institute of Technology, USA
- Zeeshan Mehta, ME, University of South Australia
- Rizwana Irfan, M.Sc

Besides, 50 Lecturers and 7 Research Associate are also associated with this department.

## Abbottabad Campus

### Assistant Professors

- Dr. Sajjad Ahmad Madani, Head, MS, LUMS, Lahore
- Dr. Khizar Hayat, PhD, Universite Montpellier II, France
- Dr. Qazi Mudassar Ilyas, PhD, Huazhong University of Science & Technology, Wuhan, China
- Dr. Muhammad Waqas Anwar, PhD, Harbin Institute of Technology, China
- Dr. Imran Ali Khan, PhD, Graduate University of Chinese Academy of Sciences, China

- Dr. Danish Irfan, PhD, Harbin Institute of Technology, China
- Saadat Iqbal, MSc, Quaid-i-Azam University, Islamabad.
- Muhammad Tariq, MSc, Gomal University, D.I.Khan
- Muhammad Shakeel, MS, Korea Advanced Institute of Science & Technology, Korea
- Naveed Ali Kaim Khan, MS, Institute National Des Telecom, France
- Irshad Ahmad, MS(On Study Leave)
- Allah Bux Sargano, MSc, University of Sindh, Jamshoro
- Jawad Haider Kazmi, MS(CS), CIIT Abbottabad
- Safdar Zaman, MS, International Islamic University Islamabad. (On Study Leave)
- Ijaz Ahmad, MS, Queen Mary University, UK
- Muhammad Taimoor Khan, MS, University of Lancaster, UK(On Study Leave)
- Atif Nauman Jamil, MS, University of Canberra, Australia
- Eraj Khan, MS, Halmstad University, Sweden. (On Study Leave)
- Aftab Hussain, MS University of Bedfordshire, UK
- Kashif Bilal, MS, CIIT Abbottabad
- Syed Faisal Ali, MS, Iqra University, Karachi
- Tanveer Ahmad, MCS, Govt College University, Lahore

Besides, 48 Lecturers and 2 Research Associate are also associated with this department.

## Wah Campus

### Assistant Professor

- Dr. M. Wasif Nisar, PhD, Graduate University of Chinese Academy of Science, Beijing, China
- Dr. Ehsan Ullah Munir, PhD, Harbin Institute of

- Technology, China
- Muhammad Sharif, Head, MS, CIIT Islamabad
- Mussarat Abdullah, MCS, QAU, Islamabad
- Najam-ul-Ikram Qazi, MCS, Peshawar University, Peshawar
- Riaz Ahmed Bhatti, MS, CASE,
- Tariq Umer, MCS, BZU Multan (On Study Leave)
- Faisal Azam, MS, CIIT Islamabad,
- Faisal Shafique Butt, MS, CASE Islamabad,
- M. Tariq Zafar Chishty, MCS, Gomal University, D.I Khan
- Sulma Rasheed, MS, Iqra University Islamabad. (On Study Leave)

Besides, 15 Lecturers and 3 Research Associate are also associated with this department.

## Lahore Campus

### Professors

- Dr. Syed Asad Hussain, PhD, Queen's University of Belfast, UK (On Leave)

### Advisor

- Dr. Javaid Sikandar Mirza, PhD (Electrical Engineering) Salford University, UK

### Associate Professor

- Dr. Zulfiqar Habib, PhD, Japan

### Assistant Professors

- Dr. Saqib Rasool Chaudhry, PhD (On Study Leave)
- Dr. Mudasser Naseer, Incahrge, PhD Beijing University of Aeronautics & Astronautics (BUAA), China,
- Dr. Muhammad Ghulam Abbas Malik, PhD, University of Joseph Fourier, France

- Dr. Tauseef Gulrez, PhD, Post Doctorate
- Aman Ullah, M.Sc, UET, Lahore
- Nadeem Ghafoor Chaudhry, MS, University of Massachusetts, USA
- Rizwan Qureshi, MS, Institute of Information Technology
- Abdul Karim Shahid, M.Sc, University of Keel, UK,
- Muhammad Emran, M.Sc, Quaid-i-Azam University, Islamabad
- Muhammad Ghulam Rasool, M.Sc, Bahauddin Zakariya University, Multan(On Study Leave)
- Muhammad Umair, M.Sc, Quaid-i-Azam University, Islamabad.(On Study Leave)
- Sobia Zaheer, MCS, Pak-AIMS, Lahore
- Atif Saeed, BSc., Hons., UET
- Faisal Tehseen Shah, MBA, Sam Houston State University, USA
- Muhammad Usman Akram, MS, Sussex University, UK
- Rizwan Ahmad, MS, NIIT, Rawalpindi. (On Study Leave)
- Muhammad Sohaib Mahmood, MS, Stuttgart University of Applied Sciences, Germany (On Study Leave)
- Humera Niaz, MS, International Islamic University, Islamabad

Besides, 27 Lecturers and 8 Research Associate are also associated with this department.

## Attock Campus

### Assistant Professors

- Dr. Hajra Jabeen, PhD, NU-FAST, Islamabad
- Ch. Anwar Shaukat, Incharge, MIT University of Canberra, Australia
- Zeeshan Iqbal, MS, CASE, Islamabad
- Zohair Ihsan, MS, CIIT Wah

- Ibrar Hussain, MS, Queen Mary University of London, UK (On Study Leave)

Besides, five Lecturers and 4 Research Associate are also associated with this department.

## Sahiwal Campus

### Associate Professor

- Dr. Shuakat, PhD, GIK Institute, Topi

### Assistant Professors

- Dr. Muhammad Naeem, PhD, GC University, Lahore
- Dr. Kunwar Muhammad Asad Meraj, PhD, Karl Franzens University, Austria
- Azhar Manzoor, Incharge, MSc, University of Abertay Dundee, UK
- Majid Hussain, MS(CS), UET, Lahore

Besides 6 Lecturers and 1 Research Associate are also associated with this department.

## Vehari Campus

### Assistant Professor

- Malik M. Ali Shahid, MS

Besides 2 Lecturers are also associated with this appartment

## Faculty of Engineering

The Faculty of Engineering is managing three departments i.e., Department of Electrical Engineering, Department of Chemical Engineering and Department of Mechanical Engineering.

## Department of Electrical Engineering

The Department of Electrical Engineering began its journey in September 2001 at Islamabad, Abbottabad and Wah, and has made big strides in its brief span of existence. The peer-departments at CIIT Lahore, Attock, which were established in 2002 and 2007, respectively, offer conducive environment for studying various disciplines of Electrical Engineering. Our curriculum is unique in that it enables students to learn techniques required to solve complex engineering problems and at the same time equips them with managerial and professional skills.

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. Now fields such as Computer Engineering, Telecommunication 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 courses. CIIT encourages and welcomes female enrolment and increase in their ratio in its engineering programs.

### Academic Programs

Following Programs are being offered by the Department of Electrical Engineering.

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

Programs	BS(ECE)
Eligibility	Intermediate or equivalent with Physics, Mathematics, Chemistry / Computer Science / Computer Studies with minimum 60% marks or DAE in the relevant field with minimum 60% marks, from an accredited educational institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	134-137
Campus Offering	Islamabad, Wah (Fall only), Abbottabad and Lahore (under DDP).

Computer Engineering is one of the most versatile disciplines of engineering. It can broadly be described as an amalgam of electronics engineering, with major emphasis on digital electronics, computer architecture and interfacing, and computer science. The ratio of electronics and computer science courses in this discipline vary. In our degree program, we have apportioned 70% for electronics and 30% for computer science. In recent times, the number of computer engineers employed by the industry involved in ASIC design or custom processor design is gradually on the rise.

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

Programs	BS(ETE)
Eligibility	Intermediate or equivalent with Physics, Mathematics, Chemistry / Computer Science / Computer Studies with minimum 60% marks or DAE in the relevant field with minimum 60% marks, from an accredited educational institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	135-138
Campus Offering	Islamabad, Wah (Spring only) and Lahore (under DDP)

This discipline has existed in many universities for a very long time. Its popularity as an undergraduate engineering specialization is, however, quite recent. It is observed that although undergraduate specialization in telecommunication engineering is marketed with great fanfare, many universities offer only a few specialized courses in this area. 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.

Keeping in mind the demands of this new industrial base, the degree includes latest digital technologies as well as traditional communication techniques. For the graduates to have deeper understanding and appreciation for all or some of the above-mentioned industries further sub-specializations are offered as electives. The sub-specialization options may include optical

Communication systems, wireless communication systems and radar, navigational aids, radio and television technologies.

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

Programs	BS(EEE)
Eligibility	Intermediate or equivalent with Physics, Mathematics, Chemistry / Computer Science / Computer Studies with minimum 60% marks or DAE in the relevant field with minimum 60% marks, from an accredited educational institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	135-138
Campus Offering	Abbottabad and Attock

Electronics engineering is the backbone of almost all technologies today. It is one of the oldest disciplines of Electrical Engineering. Electronics engineers have a broad spectrum of knowledge base. This allows them to work in areas ranging from maintenance, management, design, and reverse engineering.

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

Programs	BS(EPE)
Eligibility	Intermediate or equivalent with Physics, Mathematics, and Chemistry with minimum 60% marks or DAE in the relevant field with minimum 60% marks, from an accredited educational institution.
Session	Fall and Spring.
Semesters	8
Number of Years	Four Years
Credit Hours	135-138
Campus Offering	Abbottabad

At present, one hundred places are offered to students in the program of Electrical Power Engineering. It is estimated by studies conducted in the field that in the next five to ten years the scarcity of power engineers will reach a critical stage. In many countries, including the developed countries, the shortage of power engineers is felt acutely. With this scenario in mind and the inevitable addition of more power generation units to be set up in Pakistan, CIIT felt the need of offering Electrical (Power) Engineering program at undergraduate level.

### Learning Enhancing Activities

The first two years (or four semesters) are common to all streams of academic programs being offered, in which the focus is on Electrical Engineering basics, Mathematics and allied courses. The last two years build strong basis in Electrical Engineering core subjects that enable the students to start to specialize in the area of their own

choice. To enhance learning, workshops are regularly held such as ‘Telecommunication Regulations’; establishment of ‘Center of Advanced Studies in Telecommunication (CAST) is another step in this direction; industrial tours, ‘Techno Moot & Emcot’ mega events 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 ‘WiMAX’, etc are some of the strengths of the department.

### Center for Advanced Studies in Telecommunication (CAST)

Center for Advanced Studies in Telecommunication (CAST) was established in December 2007 as an autonomous research cost 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 quality and industry relevant research.

Since there is an absence of any meaningful dialogue and collaboration between regional industry and universities, CAST has been developed with an aim to use it as an interface 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 of CAST

### Islamabad Campus

#### Advisor

- Dr. Mirza Mansoor Beg, Project Director BIC, PhD, The University of Birmingham, UK

#### Assistant Professor

- Dr. Naeem Zafar Azeemi, Director, PhD, Technical University Vienna, Austria

Besides, 14 Lecturers and 8 Research Associates are also associated with this department.

## Faculty Members of the Department of Electrical Engineering

### Islamabad Campus

#### Professors

- Dr. Shahid Ahmed Khan, Dean, PhD, University of Portsmouth, UK.
- Dr. Nassrullah Khan, PhD, University of Essex, UK.
- Dr. Shahzad A. Malik, Head, PhD, France.

#### Associate Professors

- Dr. Izhar ul Haq, PhD, Quaid-i-Azam University, Islamabad

#### Assistant Professors

- Dr. Syed Waqar Nabi, PhD, University of Glasgow, UK
- Dr. Amir Mahmood Khan, PhD
- Dr. Imran Usman, PhD
- Dr. Shurjeel Wyne, PhD
- Dr. Amir Hanif Dar, PhD
- Dr. Mustafa Shakir, PhD
- Dr. Muhammad Farhan Shafique, PhD, Leeds University
- Dr. Abdul Wadood, PhD
- Dr. Nadeem Javeed, PhD, University of Paris, France
- Dr. Shahrukh Agha, PhD, Loughborough University, UK
- Dr. Shahrukh Agha, PhD, Loughborough University, UK
- Dr. Raja Ali Riaz, PhD, Southampton University, UK
- Syed Saud Naqvi, MS, Sheffield University, UK
- Rana Liaqat Ali, M.Sc., Quaid-i-Azam University
- Irfan Ahmed, BS, Friends University, USA
- Tasawar Abbas Malik, MSc., Quaid-i-Azam University
- Tanveer H. Syed, MS, Auckland University of Technology, New Zealand (On Study Leave)
- Junaid Ahmed, MS, Oklahoma State University, USA(On Study Leave)
- Riaz Hussain, MS, North Carolina State University, USA
- Amina Qureshi, MS, CASE
- Muhammad Shuja uddin, MS, Oxford Brooks University, UK(On Study Leave)
- Sajid Hussain Alvi, MPhil, QAU, Islamabad
- Muhammad Arshad, MS, Oxford Brooks University, UK(On Study Leave)
- Zeeshan, M.Sc, PIEAS, Islamabad
- Ahmed Naseem Alvi, M.Sc, Halmstad University, Halmstad

- Sumaya Haroon, M.Sc., Johns Hopkins University, Baltimore, USA
- Fozia Ayub, MSc, UET Peshawar
- Muhammad Fasih Uddin Butt, BE (On Study Leave)
- Shafayat Abrar, MS, King Fahad University of Petroleum & Minerals, Saudi Arabia(On Study Leave)
- Khurshid N. Hashim, MS (On Study Leave)
- Yasir Ahmed, MS Virginia Tech, USA
- Omar Ahmed, MS, EME, NUST Rawalpindi
- Syed Tauqir Haider, MS, Auckland University, New Zealand(On Study Leave)
- Azhar Yasin, MS, PTH Sweden.
- Omair Inam, MS, Sheffield University, UK.
- Khurram Saleem Alamgeer, MS, MAJU, Islamabad.
- Irfan Latif, M.Sc, UMT, Lahore,
- Muhammad Aurangzeb Khan, MS, International Islamic University

Besides, 84 Lecturers and 22 Research Associates are also associated with this department.

### Abbotabad Campus

#### Advisor

- Salim U Mir, MS(Electrical Engineering)

#### Associate Professor

- Dr. Laiq Khan, PhD, University of Strathclyde Glasgow U.K.
- Dr. Abdur Rashid, PhD, University of Manchester, UK
- Dr. Mushtaq Afzal Golra, PhD, University of Manchester, UK
- Dr. Shahid Khattak, PhD, DAAD, Germany

#### Assistant Professor

- Dr. Imdad Khan, PhD, University of Southampton, U.K
- Abdul Majid, MSc, University of Peshawar(On Study Leave)
- Muhammad Ali Faisal, MS, University of Sindh, Jamshoro
- Sajid Aqeel Malik, MS, Delft University of Technology, Netherlands
- Akbar Ali Khan, MS, CIIT Abbottabad
- Sifat Ali Shah, MS, NWFP UET, Peshawar
- Muhammad Tufail, BS, University of AJK
- Taimoor Afzal, MS, The University of Sheffield, UK
- Owais Khan, MS, University of Sunderland UK(On Study Leave)
- Atiq ul Anam, MS, College of Aeronautical Engineering, Risalpur
- Fazal Wahab Khan, MS(On Study Leave)
- Mukhtar Ahmad, MS, UET, Lahore
- Aamir Islam, MPhil, GC University Lahore
- M. Tahir Khan, MS, UET, Taxila
- Sadaf Saeed, M.Phil, QAU, Islamabad,
- Syed Ayaz Ali Shah, MS, UET Peshawar.
- Saqib Mehmood, MS, UET, Peshawar
- Anjum Hussain Shah, MS, UET, Lahore
- Zulfiqar Khatak, MS, UET Peshawar
- Jamil Ahmad Khan, MS, UET Peshawar
- Irfanullah, MS, UET, Lahore
- Sohail uz Zaman, MS, Lawrence Technological University, USA
- Naveed Ali Khaim Khani, MS, Institute National des Telecom, France
- Alam Zaib, MS, University of Karlsruhe, Germany
- Ch. Arshad Mehmood, M.Sc, Sheffield University, UK
- Sajjad Durani, BS, NED UET, Karachi
- Shah Riaz, BS, UET, Peshawar

Besides, 92 Lecturers and 1 Research Associate are also associated with this department.

## Lahore Campus

### Professor

- Dr. Saleem Farooq Shoukat, Head, Post Doctorate, East China University of Sciences & Technology, China; PhD, Brunel University London, UK

### Associate Professor

- Dr. Saleem Akhtar, PhD, Nationale Superieure des Telecommunications (ENST), France

### Assistant Professors

- Dr. Intesar Ahmed, PhD, University of Adelaide, Australia, Australia
- Dr. Saquib Sarfraz, PhD, Technical University Berlin, Germany,
- Dr. Ali Nawaz Khan, PhD, Herbin Institute of Technology, China
- Dr. Sobia Baig, PhD, GIK Institute of Engineering Sciences & Technology, Pakistan
- Ahmad Mudassir, M.Sc, University of Punjab
- Muhammad Ali, M.Sc, University of London, UK
- Syed Khurram Zaidi, M.Sc, University of Leicester, England, UK
- M. Farooq i Azam, M.Sc, University of Punjab
- M. Nadeem Rafique, MSc, University of Sheffield, UK (On Study Leave)
- Muhammad Haleem, M.Sc, University of Surrey, UK
- M. Muhammad Mubeen Masud, MSc, Royal Institute of Technology, Sweden
- Amir Rashid Ch., MS, UET, Lahore, Pakistan(On Study Leave)
- Haroon Ahmed Khan, MS, Esslingen University of Applied Sciences, Germany (On Study Leave)

- Shahid Ayub, M.Sc, Hannover University, Germany (On Study Leave)
- Hafiz Muhammad Asif, MS, King Fahd University of Petroleum & Minerals, Saudi Arabia(On Study Leave)
- Ghulam Rasool Khokhar, BE, N.E.D UET, Karachi (On Study Leave)
- Mirza Tariq Humayoun, M.Sc, Eastern Mediternean University, TRNC, Turkey(On Study Leave)

Besides, 41 Lecturers and 9 Research Associates are also associated with this department.

## Wah Campus

### Assistant Professors

- Dr. Nadia Nawaz, PhD (Electronic System Engineering) Essex University,UK
- Dr. M. Altaf, PhD, Essex University, UK
- Fasih-ur-Rehman, MSc, QAU, Islamabad
- Farooq A. Orakzai, M.S (Engineering), BTH, Sweden
- Atif Amin, M.S (Electrical Engineering) Germany, B.E (E.E) Dhaka Bangladesh
- Arbab Masood Ahmad, MSc, UET, Taxila (On Study Leave)
- Zahoor Uddin, MS, Air University, Islamabad
- Asim Aziz, MSc, Hogskolan, Kalmar, Sweden
- Zarrar Javaid, MS, NUST(On Study Leave)
- Imran Ahmad Awan, MSc, NUST
- Muhammad Iqbal, MS, CIIT Islamabad (On Study Leave)

Besides, 33 Lecturers are also associated with this department.

## Attock campus

### Assistant Professor

- Muhammad Fakhrudin Fakhr, MS, University of Detroit, Mercy, USA

Besides, three Lecturers and six Research Associates are also associated with this department.

### Faculty Members of Engineering Resource Center, Abbottabad Campus

### Assistant Professor

- Saghir Ahmad, Msc, UET, Taxila

Besides, 13 Lab Engineers are also Associated with this center



*Students having fun at CIIT Attock*

# Department of Chemical Engineering

The Department of Chemical Engineering was established in Fall 2005 at Lahore campus. Chemical engineers are involved in the application of knowledge gained from basic sciences and practical experience in the development, design, operation and management of plants and processes for economical and safe conversion of chemical raw materials to useful products.

The Department of Chemical Engineering aims to impart quality instruction in a research oriented atmosphere with excellent opportunities for personal and professional growth. The department combines academics with useful work experience as mandatory elements of the degree requirements.

The Department of Chemical Engineering is offering three areas of specialization which are of immense national importance. These are Textile Engineering, Environmental Engineering and Polymer and Rubber Technology. State-of-

the-art laboratories have been established to carry out the most recent research and development in these three areas. The department also plans to launch full fledged programs in these areas as well as in Chemical and Materials Engineering in the near future. Experiences from these areas of specialization will be used to develop MS and PhD degree programs.

## Academic Programs

Following Programs are offered by the Department of Chemical Engineering:

### Bachelor of Science in Chemical Engineering: BS(ChE)

Programs	BS(ChE)
Eligibility	Intermediate with Pre-Engineering or equivalent with minimum 60% marks, or DAE in the relevant field with minimum 60% marks, from an accredited institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	138
Campus Offering	Lahore

The Department of Chemical Engineering offers a four-year bachelor degree in Chemical Engineering. The duration of this degree program is a minimum eight semesters. The course work in chemical engineering provides balanced training in virtually all aspects of chemical engineering principles and practices. Courses in the department are



specifically designed to emphasize fundamentals, which are applicable to the analysis, development, design and operation of a wide variety of systems and processes, rather than technological details and solutions of numerous routine problems. Besides a heavy emphasis on chemistry and mathematics, the curriculum includes training in physics, economics, and communication skills.

The areas of specialization offered are Oil & gas production and processing, Fundamentals of Environmental processes, Textile Processing, Fuel Cell Technology, Polymer & Rubber Technology, Composite Materials, Nanotechnology and Bio-chemical Engineering.

### Relevance of Program

The Department of Chemical Engineering offers a competitive degree in a rapidly expanding area of study. Our strong faculty and excellent facilities ensure that students have solid technical grounding in their subjects, and to apply this knowledge in practical work settings.

The first batch of Chemical Engineers graduated in 2009. The rigorous degree requirements at department ensure availability of high calibre graduates, who are easily absorbed at the earliest in the industry that desperately seeks well trained professionals.

### Faculty Members of the Department of Chemical Engineering

#### Lahore Campus

##### Professor

- Dr. Robina Farooq, PhD, East China University of Science & Technology, China

##### Advisors

- Dr. Pervez Khalid Butt, PhD, Imperial College, London University, UK
- Dr. Amjad Hussain Dilawari, PhD, University of London, UK

##### Associate Professors

- Dr. Asad Ullah Khan, PhD, Imperial College London, UK
- Dr. Moinuddin Ghauri, PhD, University of Sheffield, UK

##### Assistant Professors

- Dr. Anwar ul Haq, PhD, Ivanovo State University of Chemistry & Technology, Russian Federation
- Dr. Muhammad Nadeem Kardar, PhD, University of Karachi
- Dr. Murid Hussain Malik, PhD, Korea Advanced Institute of Science & Technology, Korea, (On Study Leave)
- Dr. Nasir Mahmood, PhD, Martin Luther University Halle Wittenberg, Germany
- Dr. Zulfiqar Ali, PhD, Martin Luther University Halle Wittenberg, Germany
- Dr. Mazhar Amjad Gilani, PhD, Clausthal University of Technology, Germany
- Javed Ahmad, MS, Dilhousie University, Halifax, Canada
- Moazim Gulzar, MS, UET Lahore
- Muhammad Ajmal, M.Sc, Technical University Hamburg, Germany
- Aqeel Ahmad Bazmi, MS, Mehran University of Engineering & Technology, Karachi (On Study Leave)
- Abrar Inayat, MS, Malardalens University, Vasteras, Sweden(On Study Leave)

Besides, 32 Lecturers and 5 Research Associates are also associated with this department.



## Department of Mechanical Engineering:

The vision 2030 of Pakistan envisages a “developed industrialized, just and prosperous Pakistan through rapid and sustainable development in a resource constrained economy by employing knowledge inputs.” It was decided by the CIIT management to establish the Department of Mechanical Engineering at CIIT Wah and Sahiwal campuses. The department at Sahiwal Campus has already launched the BS program, whereas, in Wah, it is likely to be started in near future.

### Academic Programs

Following Programs are offered by the Department of Mechanical Engineering:

#### Bachelor of Science in Mechanical Engineering: BS(ME)

Programs	BS(ME)
Eligibility	Intermediate with Pre-Engineering or equivalent with minimum 60% marks, or DAE in the relevant field with minimum 60% marks, from an accredited institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	140
Campus Offering	Sahiwal

The Department 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.

### **Learning Enhancement Activities**

At present the Department of Mechanical Engineering is running activities to help both the faculty members and its prospective students. These activities are faculty development programme under which faculty members are sent abroad for MS/PhD degrees. A Memorandum of Understanding has been signed between CIIT and the University of Bradford, UK for the purpose of MS/PhD level training of the Department's faculty, joint research projects and faculty and student exchanges. Further, the department has also initiated industrial research projects besides arranging the seminars related to mechanical engineering.

The Department of Mechanical Engineering is a vanguard of interdisciplinary research and students are encouraged to sample the opportunities provided by the many departments outside the Institute to participate in one of the formal interdepartmental and inter-disciplinary courses of study.

### **Faculty Members of the Department of Mechanical Engineering**

#### **Sahiwal Campus**

##### **Advisors**

- Prof. Dr. Afzal Ahmed, PhD, Loughborough University of Technology, UK

##### **Assistant Professors**

- Naveed Ahmed, MS, University of Lancaster, UK
- Azam Sana Khan, MS, Cornell University, USA
- Mudassar Khalil, M.Sc., Aalen University, Germany

Besides, one Lecturer is also associated with this department.

#### **Wah Campus**

##### **Assistant Professor**

- Dr. Syed Muhammad Fakhir Hasni, PhD, USA

Besides, three Lecturers are also associated with this department.

## **Faculty of Business Administration**

The Faculty of Business Administration has three departments, i.e. Department of Management Sciences, Department of Development Studies and Department of Humanities. The latter has yet to launch its own degree program.

## **Department of Management Sciences**

The Department of Management Sciences strives to contribute to the broader social role in providing high quality academic programs characterized by cutting edge technologies and modern managerial practices.

The Department of Management Sciences has emerged as the most dynamic and vibrant department. Its current enrollment is among the highest in CIIT. The Department of Management Science is committed to the objective of preparing students at par with the market trends. Department of Management Sciences was established in 2001 at Islamabad. At present, it has its presence in all 07 campuses with strength of around 5,800 students and over 316 full time Faculty members.

Our mission is to aspire to become a reputable department with highly qualified faculty and facilities by providing excellence through business education and research in emerging fields. The future goals of the department are to train and develop professionals in many new fields. The Department of Management Sciences emphasizes on uniqueness and creativity in its programs. Therefore we are always on the lookout for the latest academic and professional programs which are being sought out by the business students and professionals.

An active Research Cell in the department is assigned the task of training of faculty and students, for writing research papers and developing research proposals. Field research has been a major focus of the department. Some of the more recent research contributions made by the faculty of department to external parties and stakeholders are Development of Business Incubators, Women Entrepreneurs, E-Commerce Management and its Impact on Pakistan, Industry-university Cooperation, Technology adoption in OIC Members States, Islamic Banking and Quality Management in the service sector of Pakistan,

### **Academic Programs**

Past experience demonstrates that our program content is relevant and very much in need in all areas related to Management Sciences. International markets are expanding their business and research interests in Pakistan which has not only increased scope of employment but also expanded local opportunities through market competition.

Leading institutions of Pakistan and elsewhere seek out CIIT Management Sciences graduates for entry to mid level management and research positions in fields of Management Sciences. Management Science Alumni are working in various national and international companies, including commercial banks, cellular companies, international food chains and the likes.

Following Programs are offered by the Department of Management Sciences:

## Bachelor of Science in Business Administration: BS(BA)

Programs	BS(BA)
Eligibility	Intermediate or equivalent with minimum 50% marks, from an accredited institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	133
Campus Offering	Islamabad, Wah, Abbottabad, Lahore (under DDP), Attock, Sahiwal & Vehari

CIIT's bachelor programme in Business Administration is of four years (eight semesters) duration and 133 credit hours. Students have the option to specialize in one of the following areas:

- Finance
- Human Resource Management
- Information Technology
- Marketing.

Already enjoying a good reputation among employers, our program gives students a rigorous insight into business administration from both a holistic and methodological perspective. Emphasis is placed throughout the program on grooming the personality of our students and sharpening their communication skills. CIIT expects that its students not only become thoroughly familiar with all essential and current business concepts and practices, but are also able to think analytically and innovatively and, above all,

to judiciously apply their acquired knowledge in practical situations they may encounter in a professional context after their graduation. The objectives for this degree program are to familiarize students with the fundamental bodies of theoretical and applied knowledge of business to learn new tools and techniques in areas such as accounting, marketing, and management, to enable student integrate formal academic learning with their business related experiential learning, to encourage self-improvement and professional growth among students, and to expose students to the global business environment.

This program prepares them to proceed onwards to a more targeted Master's program in Business Administration. The minimum duration for completion of the degree is eight semesters and a maximum of twelve semesters. The degree is awarded on completion of a minimum 133 credits with a CGPA of at least 2.0/4.0.

## Bachelor of Science in Economics: BS(ECO)

Programs	BS(ECO)
Eligibility	Intermediate or equivalent with minimum 50% marks from an accredited educational institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	132
Campus Offering	Islamabad, Abbottabad & Lahore

The subject of Economics develops theories of human behaviour and tests them against the available evidence

drawn from real world situations. This retains an element of art, as it is only by having a feel for how people actually behave that economists can focus their analysis on the right issues.

The BS Economics program is designed to produce graduates with a very sound knowledge of economic theory and applied economics. Its duration is of four years and consists of eight semesters. This program offers a combination of theoretical and practical courses with economic application to illustrate the use of economics at work. The degree is based around the core courses of micro and macroeconomics, focusing on behaviour of individuals and firms and broader issues such as employment and inflation. The core courses of mathematics and statistics are included to familiarize the students with quantitative methods used in economics. Alongside economic courses that comprise approximately three-quarters of the study time, students are required to study courses drawn from a range of other related disciplines of social sciences.

The thrust of the course is on four core areas: Business Economics, Development Economics, Environmental Economics and Mathematical Economics. For these major areas, economics courses are combined with various aspects of business, development, environment and mathematics. It allows the student to explore the various fields of economics with a wide national and international array of electives to choose from.

The courses are designed with clear objectives keeping in view the latest trends and requirements of Higher Education Commission. Each course is of 3 credits and a compulsory project report of 6 credit hours in the 8<sup>th</sup> semester. The minimum duration for the completion of this degree is eight semesters and a maximum of twelve semesters. The degree will be awarded on completion of minimum 130 credits with a CGPA of 2.0/4.0.

The program is for students who intend to undertake professional work as economists in public or private sector; government institutions (e.g. Central Bank, Planning Ministries), commercial banks, NGOs, teaching and other institutions involved in training, consultancy, research and policy formulation.

## Learning Enhancing Activities

### Lectures by foreign scholars

The Faculty of Business Administration is making great strides towards imparting quality education in all its teaching and research-based programs. The Department of Management Sciences already has a reasonable number of PhDs, all foreign-trained and some of whom have extensive teaching and research experience in teaching at reputed foreign universities. Moreover, our department has entered into a number of collaborative agreements with foreign universities and is developing a research program which within a few years will catapult it to the top position in terms of research output by a management science department at any Pakistani university.

As part of its continuous effort to impart quality education, the department arranges seminars and lectures conducted by the foreign experts. Some of these subject experts from overseas have also been nominated as persons of eminence on the Academic Council of the CIIT.

## Bachelor of Business Studies: BBS

Business studies is amongst the most rewarding and challenging field of study at present. CIIT with its commitment to offer best now introduces Bachelors in business studies (BBS), a two year business study program. BBS is another avenue for the prospective students who wish to undertake business studies at CIIT. BBS provides the resources and training to transform individuals into knowledge-based decision makers. It prepares students for the ever-changing world of business by exposing them to the real life business experiences. It's not just a provision of information; it's a framework for knowledge creation.

Program	BBS
Eligibility	Fourteen years of education in relevant field or minimum 2.0/4.0 CGPA or 50% marks (annual system) from an accredited educational institution.
Session	Fall and Spring
Semesters	4
Number of Years	Two Years
Credit Hours	69
Campus Offering	Islamabad, Abbottabad, Wah, Lahore, Attock, Sahiwal & Vehari

The two year BBS program will meet the increasing demand for advanced business education which will not only combine text book learning with case study methodology but will expose students to an environment which will facilitate development of their conceptual skills as well as personal growth. This program will be offered to those who have completed their 14 Year of education and primarily

have no work experience. After the completion of two years, the students may enrol in a 1.5 year MBA if they wish to continue at CIIT.

The basic objective of this program is to provide students with business knowledge. Students will be able to understand 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. They will come to know about production models and distribution systems, and their role in the value creation process. Courses in the BBS program are designed to introduce students to the various areas of business such as accounting, finance, marketing, human resources, operations management, etc. By the end of program, the student will actually be able to put knowledge to work and will feel comfortable performing the following:

- Leadership
- Critical Thinking
- Communication and Interpersonal skills
- Management and Marketing
- Finance and Global Business





*Students at CIIT Islamabad*

## Faculty Members of the Department of Management Sciences

### Islamabad Campus

#### Professors

- Dr. Muhammad Afzal, Chairman, PhD, BZU, Multan
- Dr. Qaisar Abbas, Post Doctoral Fellowship, Cardiff University, UK; PhD, Nankai University Tianjin China
- Dr. Abdel Hamid Muhammad Nasr, PhD, Charles University, Prague USA
- Dr. M. Tahir Masood, PhD, Virginia Polytechnic Institute and State University, USA
- Dr. Khalid Riaz, PhD, IOWA State University, USA

#### Advisors

- Dr. Muzaffar Ali Qureshi, PhD, Rensselaer Polytechnic Institute New York, USA
- Javaid Zafar, M.Sc, Quaid-i-Azam University, Islamabad
- Ajmal M. Qureshi, M.Sc, Boston University, USA
- Ghulam Haider, MS, University of Pittsburgh, Pennsylvania

#### Associate Professors

- Dr. Zulfiqar Ali Shah, PhD, Manchester Business School, University of Manchester, UK

#### Assistant Professors

- Dr. Shahab Alam Malik, PhD, GSCAS, China
- Dr. Aurangzeb Zulfiqar Khan, PhD (Public Admin.) German University of Administrative Sciences, Speyer Germany

- Dr. Muhammad Azhar Khan, PhD, Hokkaido University Sapporo, Japan
- Dr. Muhammad Zahid Iqbal, PhD(HRD), NUML
- Dr. Iram A. Khan, PhD, University of Manchester, UK
- Dr. Husnain A. Naqvi, PhD (Economics), University of Dundee, UK
- Dr. Muhammad Majid Khan, PhD
- Dr. Bashir Ahmed Fida, PhD
- Dr. Malik Asghar Naeem, PhD, University of Hong Kong
- Aliya Moeen, Zafar, MA, ESOL, UK (On Study Leave)
- Asif Khurshid Mian, MBA, University of Arid Agriculture(On Study Leave)
- Sabeen Khurram Khan, MBA, International Islamic University, Islamabad
- Muhammad Mustafa Raziq , MBA, Blekinge Institute of Technology, Sweden (On Study Leave)
- Omer Farooq Malik, MBA, Bahria University
- Ayyaz Mahmood, MBA, University of New Haven, CT, USA
- Asim Ali, MBA-IT, International Islamic University, Islamabad(On Study Leave)
- Talat Mehmood Kiyani, MS, IT University Copenhagen, Denmark
- Usman Ayub, MS
- Mubashira Ghori, MS, National University, Singapore
- Saadia Zia, MS, Warwick University, UK
- Muhammad Tahir, M.Sc., University of Leicester, UK
- Kamal Mustafa, M.Sc., University of Leicester, UK
- Ghazala Amin, MS, Wayne State University, Detroit, USA
- Jehangir Akhtar, MS, USA
- Muhammad Irfan, MBA, University of Bradford, UK
- Shahid Malik, M.Sc, University of Central Missouri, Warrensburg, USA

- Hasan M. Ansari, M.Sc, University of Central Missouri, Warrensburg, USA
- Aziz-ur-Rehman Khan, MBA, CAL State University, Hayward, CA
- Shahid Mehmood, MBA, Asian Institute of Technology
- Umara Noreen, MPhil, Foundation University, Islamabad
- Laeeq Hassan Jaswal, MBA, International Islamic University, Islamabad
- Mansoor Ahmed, MSc., University of Leeds (On Study Leave)
- Hanniya Abid, M.Sc, Middlesex University London, UK
- Muhammad Khalid Sohail, MS, CIIT, Islamabad
- Imran Ghafoor, MS, CASE , UET, Taxila
- Sarah Tariq, MBA, Bahria University, Islamabad
- Javed Iqbal , M.Sc, University of Gothenburg, Sweden
- Khalil-ur-Rehman Malik , MBA, University of London, UK

Besides, 49 Lecturers are also associated with this department.

## Abbottabad Campus

### Professors

- Dr. Kh. Farooq Ahmad, PhD, University of Newcastle, UK
- Dr. Syed Amjad Farid Hasnu, Dean, Post Doctorate University of Bradford, UK; PhD, University of Bradford, UK.

### Associate Professors:

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

### Assistant Professors

- Dr. Muhammad Shoaib Ahmed, PhD, Quaid-e-Azam University, Islamabad
- Dr. Kashif Rashid, PhD, Victoria University, Melbourne, Australia
- Dr. Waseem Ikram, MBA, University of Wales, UK
- Muhammad Shafiq Gul, MS, Agricultural University, KP
- Zaheer A. Khan, MBA (On Study Leave)
- Muhammad Naveed Jan, MBA, Institute of Business Administration
- Raza ullah Khan, MBA, Bahria University
- Sauda Imtiaz, MBA, Institute of Management Studies, University of Peshawar
- Immad Khan Jadoon, MS, CIIT Abbottabad
- Muhammad Waseem, MS, CIIT, Abbottabad
- Syed Afzal Moshadi Shah, MS, University of Central England, Birmingham, UK
- Tufail Ahmad Farooqui, MPhil, Balochistan University
- Zahir Khan, MS(On Study Leave)
- Osman Sadiq Paracha, MS, CIIT Abbottabad (On Study Leave)
- Jamil Anwar, MBA, Shah Latif University, Sibdh
- Rao Muhammad Atif, MA, Islamia University, Bahawalpur
- Salman Ahmad, MS, University of Strathclyde, Glasgow, UK
- Syed Gohar Abbas, MS, Sarhad University of Science & Technology, Peshawa (On Study Leave)
- Aziz ullah Siyal, MBA, Alkhair University
- Mansoor Nazir Bhatti, MS, University of Bedfordshire, Luton, UK

Besides, 64 Lecturers and one Research Associate are also associated with this department.

## Wah Campus

### Advisor

- Dr. Mushtaq Ahmad, PhD, University of NSW Australia/University of Wales UK

### Associate Professor

- Dr. Saqib Gulzar, PhD, Republic of China

### Assistant Professors

- Dr. Samina Nawab, PhD, University of Chinese Academy of Science, Beijing, China
- Faheem A. Khan, MBA Philippines Christian University, Philippines
- Tufail Ahmad Farooqui, MPhil, Balochistan University
- Amer, MBA, Hamdard University, Karachi
- Safdar Nazeer, MPA, Q.A.U. Islamabad
- Ahsan Qamar, M.S, University of Bridgeport USA

Besides, 16 Lecturers and three Research Associate are also associated with this department.

## Lahore Campus

### Professors

- Prof. Dr. Talat Afza, Ph.D, Wayne State University, United States
- Dr. Ahmad Kaleem, Ph.D, University of Malaysia, Malaysia (On Study Leave)

### Assistant Professors

- Dr. Abdul Haque, HoD, Ph.D, Huazhong University of Science & Technology Wuhan, China
- Dr. Waheed Akhter, PhD, NUML, Islamabad

- Dr. Muhammad Abrar, PhD, Huazhong University of Science & Technology Wuhan, China
- Dr. Shabbir Muhammad Shahbaz, PhD, University of Malaya KL, Malaysia
- Syed Khurram Ali Jaffri, M.Sc, Blekinge Institute of Technology, Kalskrona, Sweden
- Rashid Waheed Qureshi, Cost & Management Accountant, Institute of Cost & Management Accountants of Pakistan
- Tahir Aziz Khan, M.Sc, De Montfort University, UK
- Abid Sharif, MBA(Executive), University of Hertfordshire, UK
- Fahmeed Idrees, MBA, National University California, USA
- Nayyar Pervaiz Butt, MS, University of Lancaster, UK
- Imran Ali, MPhil, Federal Urdu University of Arts, Science & Technology, Islamabad
- Mohammad Nadeem Qadir, MBA, Curtin University of Technology, Australia
- Abdul Farooq, M.Phil, Quaid-i-Azam University, Islamabad
- Kamran Saeed Hashmi, MBA, Point Park University, Pittsburgh, Pennsylvania, USA(On Study Leave)
- Ahsan Masood, MBA, University of Punjab
- Sajid Nazir, MS, CIIT, Lahore
- Muhammad Mohsin ul Mulk, MBA, University of Punjab

Besides. 48 Lecturers and 13 Research Associate are also associated with this department.

## Attock Campus

### Assistant Professor

- Shaukat Amer, MBA, Gomal University, D.I.K.
- Faisal Nawaz, MS, CIIT Islamabad



*Students at CIIT Lahore*

Besides, 19 Lecturers are also associated with this department.

### Sahiwal Campus

#### Assistant Professors

- Dr. Nadeem Akhtar, PhD, Institute of Management, University of Graz, Austria
- Muhammad Zia Hassan, M.Sc, QAU, Islamabad
- Rana Nadir Idrees, MS, University of Punjab
- Ali Ahmad, MA
- Suhail Afzal Qureshi, MSc, University of Agriculture, Faisalabad
- Muhammad Fahad Hassan, MSc, Lancaster University, UK (On Study Leave)
- Rana Faqir Muhammad Aslam, MPhil (Lingusitics)
- Muhammad Amir Rasheed, MS, University of Lycvm, Philippines (On Study Leave)
- Haroon Rashid, MBA, Maastricht School of Management, Netherlands

Besides, 18 Lecturers and two Research Associate are also associated with this department.

### Vehari Campus

#### Assistant Professors

- Malik M. Ali Shahid, MS
- Syed Taqueer Ahmad, MBA
- Ibn-e-Hassan, MBA, MSc. (On Study Leave)

Besides, 4 Lecturers and one Research Associate are also associated with this department.

# Department of Development Studies

Keeping the overall ambit of the vision and mission and its credentials as a premier institution of the region and on the basis of a prioritized needs assessment, CIIT Abbottabad expanded its role to encompass Development Studies as a separate program of study. In view of the present and emerging needs of the discipline, the institution took initiative and established on Department of Development Studies during 2004.

While initiating the program, it was envisaged to foster the national development process through broad-based higher and professional education that is responsive to the needs of the society; helps in the socio-economic development process (with particular focus on the region) by providing higher level education opportunities to develop a national and local talent pool; provide a sound foundation and opportunity for specialized education, training and skills development; assessing the changing market trends & needs to broaden the academic base in a bid to increase options and opportunities for appropriate jobs in the private and public sectors in the regional, national and international arenas.

The department offered its first two-year (four semester based) Master in Development Studies professional degree program from Fall-2004. The degree is a well-recognized qualification for gaining jobs, building established careers, or developing research expertise in related fields.

## Development Studies Perspectives

Development Studies is an interdisciplinary field. Contemporary themes of the subject encompass a wide array of ideas and perspectives both from an academic and practical standpoint. These ranges from broad-based multi-disciplinary agendas, debates and knowledge sharing that

directly or indirectly bears upon development issues from a global perspective to those embedded in specific regional and local contexts. The study encompasses the multifaceted aspects of ‘development’ effectively, it is necessary to draw upon many disciplines to construct a balanced understanding of historical and contemporary processes. The Master in Development Studies (MDS) Program offered at CIIT, include the study of social transformation or change. Emphasis is placed on the study of societies, economies and institutions of the developing countries, their inter-connectedness with the developed world and the processes through which the international institutions and mechanisms impact upon the overall goals of development within a global context.

The focus remains on perspectives that have a bearing on the emerging and most current trends (knowledge, skills & practices) related to social development issues within the overall framework of sustainable development and inter-related spheres. Emphasis is placed on providing a sound basis for conceptual understanding of issues related to the study of development policy with particular reference to Pakistan.

## Development Organizations

The Master in Development Studies program aims at developing an in-depth knowledge, skills and expertise in the development field from an inter-disciplinary and multi-disciplinary perspective. Such a perspective examines and builds upon the existing paradigms of development in a highly dynamic and rapidly changing environment and its relevance to Pakistan. CIIT is aware that, in line with the institution’s continued support to modern education as a force of progressive change and development, it needs to play a significant role in meeting the contemporary and emerging demands in development-related fields and help in securing jobs for the Pakistani workforce both at home

and abroad. Toward such an end, the range of development (and related) organizations include:

Government agencies and departments, Local government Assemblies (elected representatives) Non-governmental organizations, civil society organizations, public interest organizations and Bi-lateral and multi-lateral institutions & organizations, Academic institutions, establishments and private sector organizations

### Academic Programs

Following program is offered by the Department of Development Studies:

#### Master of Development Studies (MDS)

Programs	MDS
Eligibility	Bachelor Degree (14-Year) or equivalent with minimum 50% marks, from an accredited institution.
Session	Fall and Spring
Semesters	4
Number of Years	Two Years
Credit Hours	70
Campus Offering	Abbottabad

The aim of the two-year (four semester based) Master in Development Studies degree is professional development of entry and mid-level professionals, managers, practitioners, consultants, teachers and students to equip them with transferable knowledge and skills necessary in different fields and disciplines of ‘development’ and closely related areas.

As an interdisciplinary field, Development Studies has a broad scope and encompasses differing perspectives and dimensions as a program of study. The focus of the present Master program is on development courses that mostly bear on the emerging and contemporary current trends (knowledge, skills and practices) related to socio-economic development and interrelated spheres within the overall framework of sustainable development. Also, the program has been designed in a way where it leads to professional enhancement and increased options and opportunities for the current and emerging jobs in the private and public sectors in the regional, national and international arenas.

Within such a purview the objectives of Master in Development Studies includes providing prospective students with an in-depth appraisal of the current and emerging development paradigms, initiatives & debates; growing emphasis on sustainable development and their 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; and social, cultural and political changes particularly focusing on their relevance for Pakistan; an understanding to be able to engage in and connect various concepts, theories and frameworks to practical contextual situations within a development focus; project planning and management skills and ability to carry out and evaluate development programs using different planning and management tools; knowledge and skills of conducting action research with ability to carry out social surveys using different methods and techniques that lead to seeking and evaluating new information in different but relevant contexts.

## **Market Relevance**

On completion of this program, the graduates will have an enhanced professional intellectual grounding and practical skills as well as a competitive edge for job opportunities both in the government and private sectors including non-governmental organizations (NGO's), multi-lateral and bi-lateral institutions and organizations, donor and support organizations/agencies, multi-national corporations (MNC's), other aid and development-related agencies, institutions and organizations.

## **Career Opportunities**

For the employed professionals who take up the Master's program, it provides an opportunity to enhance their professional skills and prepares them to take up higher positions in their organizations.

For others, including fresh students, the knowledge and skills gained in the Masters in Development Studies program can lead qualified students to professional careers encompassing a wide range of opportunities and career prospects.

## **Learning Enhancing activities**

Along with carrying out the academic activities, the department also conducts several other activities including research, workshops, seminars, etc. So far 20 research papers have been published by the department in the HEC recognized journals. Besides, department organizes workshops on the women rights on the occasion of International Women Day (March 8) of every year, seminars on the role of volunteers in development of gender and globalization, and different development issues in various NGOs & colleges.

## **Faculty Members of the Department of Development Studies**

### **Abbottabad Campus**

#### **Professors**

- Dr. Shehla Nasreen Amjad, Chairperson, Post Doctorate, University of Bradford, UK; PhD, University of Bradford, UK

#### **Assistant Professors**

- Dr. Tahir Mahmood, PhD, University Gottingen
- Dr. Amber Ferdoos, PhD, University of Osnabruck, Germany.
- Dr. Mujib ur Rehman, PhD, National University of Ireland. Ireland
- Dr. Bahadar Nawab, PhD, Norwegian University of Life Sciences (UMB). USA
- Abu Tarab, MSc, University of Peshawar
- Noor Illahi, M.Phil, QAU, Islamabad
- Zahid Hussain, M.Sc(Hons)
- Salma Jabeen, MS, Agricultural University, Peshawar.
- Ehsan Inamullah, MS
- Nadia Baig Uzbak, MPhil

Besides, one Lecturer is also associated with this department.

# Department of Humanities

The Department of Humanities deals with the fundamental issues of language instruction in modern languages (English and French) and English as a Second Language, advanced communication courses for disciplines and professions, and in-depth studies on the nature of language, language use, and language teaching and learning. 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 a 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 through Sociology and Psychology.

The Department of Humanities offers courses of English and humanities to the undergraduate students. The department also offers designated courses that establish an intellectual context for academic study in the humanities that also help students develop their written and oral communication skills. All humanities students are strongly encouraged to take business communication courses during their first year of study.

Our courses are grounded in research and address practical educational and language-use issues significant to learners, educators, policy makers, communication professionals, and human resources managers. The faculty of humanities is continually pioneering new ways to teach and assess language, to research written discourse, and to teach writing. The department has recognized expertise in language and writing instruction for adults as well as in exploring the role of language in university teaching. The department is planning to offer its own degree program in near future as well.

## Faculty Members of the Department of Humanities

### Islamabad Campus

#### Assistant Professors

- Dr. Ejaz Hussain, PhD, Heidelberg, Germany
- Attiya Siddiqui, Incharge, MA, University of Punjab, Islamabad
- Mazhar Habib , MPhil, MA(ELT) University of Essex UK
- Aqeela Asif , MA, University of Punjab Lahore
- Saba Bahareen Mansur , MS, Leeds University, UK Islamabad
- Sadaf Sajjad, MS, Muroran Institute of Technology, Japan.
- Rahat-ul-Ain Azim , MPhil, NUML

Besides, one Lecturer and 17 Research Associates are also associated with this department.

### Abbottabad Campus

#### Assistant Professors

- Dr. Nasir Ali Khan, PhD, University of Karachi
- Dr. Zahid Shah, PhD, University of Peshawar
- Ikramullah, MA, University of Punjab
- Babar Khan Jadoon, MCS, University of Peshawar

## Wah Campus

### Advisor

- Naeem Taqi Jafri, M.A, University of Punjab

### Assistant Professor

- Adnan Tahir Qureshi, M.A, BZU, Multan
- Ajmal Khan, M.A, NUML, Islamabad (On Study Leave)

Besides, six Lecturers are also associated with this department.

## Lahore Campus

### Advisor

- Dr. Hina Qamber Abbasi, Ph.D, Moscow State University, Russian Federation

### Assistant Professor

- Dr. Shazia Hasan, Incharge, Ph.D, University of Karachi, Pakistan
- Samar Kamal Fazli, M.Phil, Bahauddin Zakariya University, Multan, Pakistan
- Kaneez Fatima, M.Phil, Quaid-i-Azam University, Islamabad, Pakistan

Besides, one Research Associate is also associated with this department.



## Faculty of Sciences

The Faculty of Sciences is managing seven departments i.e. the Department of Mathematics, Department of Physics, Department of Bio-Sciences, Department of Environmental Sciences, Department of Earth Sciences and Department of Pharmacy and Department of Chemistry.

## Department of Mathematics

The Department of Mathematics was established in 2001 at Islamabad & Abbottabad and ever since it has been teaching courses of Mathematics in different degree programs. The peer departments were established at Islamabad & Lahore in 2002. Hence, from Fall 2002 the Department started a four-year BS(Math) program in Islamabad.

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 quantitative skills.

## Academic Programs

Following Program is offered by the Department of Mathematics:

### Bachelor of Science in Mathematics: BS(Math)

Programs	BS(Math)
Eligibility	Intermediate or equivalent with Mathematics and minimum 50% aggregate marks from an accredited institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	133
Campus Offering	Islamabad

The four-year BS program in Mathematics aims to provide students with mathematical skills they will need for IT Based application in varying areas of professional human endeavour. Graduates of Mathematics will demonstrate expertise in a number of areas like scientific computing, mathematical modelling, weather prediction, and industrial mathematics and information systems. The BS program is normally carried out in a timeframe of four years comprising eight semesters having 133 credits.

The major areas of training include scientific computing, numerical computation, statistical methods, artificial intelligence, optimization, information systems and fluid mechanics.

## **Relevance of Program**

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

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

## **Faculty Members of the Department of Mathematics**

### **Islamabad Campus**

#### **Professors**

- Dr. Tahira Haroon, Chairperson, Post Doctorate Fellowship, University of Wales Swansea, UK, PhD, Quaid-e-Azam University, Islamabad
- Dr. Anwar Hossain, PhD, Dhaka University, Bangladesh
- Dr. Khalida Inayat Noor, PhD, University of Wales, UK
- Dr. Muhammad Aslam Noor, PhD, Brunel University, UK
- Dr. Aftab Khan, PhD, QAU, Islamabad
- Dr. Saleem Asghar, PhD

#### **Advisors**

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

#### **Associate Professors**

- Dr. Moiz-ud-Din Khan, Head, PhD, BZU, Multan
- Dr. Akbar Azam, PhD, QAU, Islamabad
- Dr. Shamsul Qamar, PhD, Otto-von-Guericke Univ. Magdeburg, Germany

#### **Assistant Professor**

- Dr. Mahmood ul Hassan , Post Doc., University of Auckland, New Zealand, PhD, Brunel University, UK
- Dr. Farkhanda Ikhlaq Chohan, PhD, Kagoshima University, Japan
- Dr. Sobia Sultana, PhD, Abdus Salam School of Mathematical Sciences, GCU, Lahore

- Dr. Tanveer Akbar, PhD, University of Strasbourg, France
- Dr. Muhammad Rauf Ahmad, PhD
- Dr. Masood Anwar, PhD, National College of Business Administration & Economics (On Study Leave)
- Dr. Saeed Islam , PhD, Herbin Institute of Technology, China
- Dr. Abdullah Shah , PhD, Chinese Academy of Sciences, China
- Dr. Ishtiaq Ali, PhD, Chinese Academy of Sciences, China
- Muhammad Mushtaq, MS, Norwegian University of Science & Technology, Norway
- Dr. Shams-ul-Islam , PhD, Graduate School of Chinese Academy of Sciences, Beijing (On Study Leave)
- Manshoor Ahmed , MS, CIIT Islamabad

Besides, 56 Lecturers and seven Research Associates are also associated with this department.

### Abbottabad Campus

#### Advisors

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

#### Assistant Professors

- Dr. Asghar Khan, PhD, QAU, Islamabad
- Dr. Saima Anis, PhD, QAU Islamabad
- Dr. Saqib Hussain, PhD, CIIT, Islamabad
- Dr. Sultan Hussain, PhD, GC University Lahore
- Dr. Madad Khan, PhD, QAU, Islamabad
- Dr. Zahid Ahmad, PhD, University of Punjab, Lahore
- Ali Ahmad Farooq, MS, QAU, Islamabad

- Naila Kalsoom, MS, CIIT, Abbottabad
- Syed Zulfiqar Ali Zaidi, MSc, University of Peshawar
- Hasina Khan, MS, CIIT, Abbottabad

Besides, 31 Lecturers and two Research Associates are also associated with this department.

### Wah Campus

#### Advisor

- Dr. Munir Akhtar, PhD, Southampton University, UK
- Abdul Salam Quddus, MS, UIUC, USA

#### Assistant Professors

- Dr. M. Sohail Iqbal, PhD, France
- Dr. Akmal Javaid, PhD, GUCAS, China
- Naila Kanwal, MPhil, QAU, Islamabad
- Syedah Madeha Kazmi, MPhil, QAU, Islamabad
- Shabieh Farwa, MPhil, QAU, Islamabad (On Study Leave)

Besides, Nine Lecturers are also associated with this department.

### Lahore Campus

#### Advisor

- Prof. Dr. Ghulam Qanber Abbasi, PhD, Moscow State University, Russian Federation

#### Associate Professors

- Dr. Muhammad Arif Rafiq, PhD, BZU, Multan
- Dr. Shahadat Ali Taj, PhD, Brunel University, UK
- Dr. Muhammad Qaiser Shahbaz, PhD, NCBA&E, Lahore

## Assistant Professors

- Dr. Imran Siddique, PhD, Government College University, Lahore
- Dr. Sarfraz Ahmad, PhD, Government University Lahore (On Study Leave)
- Dr. Kashif Ali, PhD, Government College University, Lahore (On Study Leave)
- Dr. Imran Anwar, PhD, Government College University, Lahore
- Dr. Saman Shahbaz, PhD, NCBA & E, Lahore
- Dr. Tajammal Hussain, PhD, University of Punjab
- Dr. Tariq Javed Zia, PhD, Chinese Academy of Sciences, Beijing, China
- Dr. Ijaz Hussain, PhD, University of Klagenfurt, Vienna, Austria
- Dr. Hafiz Abdul Wajid, PhD, University of Strathclyde, UK
- Dr. Imran Ahmed, PhD, Government College University, Lahore (On Study Leave)

- Dr. Amir Mahmood, PhD, Govt. College University, Lahore
- Dr. Samina Mazhar, PhD, LUMS, Pakistan
- Muhammad Rafiullah, M.Sc, Shah Abdul Latif University, Khairpur
- Majid Hassan Khattak, MS, University of New South Wales, Sydney, Australia
- Syed Muhammad Irfan, MS, University of Punjab (On Study Leave)
- Irfan Yousaf, MS, University of Punjab
- Muhammad Mohsin, MPhil, University of Punjab (On Study Leave)
- Hassan Mahmood Chohan, M.Sc, University of Punjab (On Study Leave)
- Muhammad Yousaf, M.Sc, University of Punjab

Besides, 42 Lecturers are also associated with this department.



A glimpse of Library at CIIT Attock

# Department of Physics

The Department of Physics was established in 2002 in Islamabad and started its programs 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 among other institutions in Pakistan. The peer department at CIIT Lahore was established in 2007. Its faculty members have post graduate and doctoral degrees from international universities and are considered experts in their respective fields.

The department has entered into an agreement with the Department of Materials Science & Engineering at the University of Illinois, Urbana Champaign, USA for summer research experience.

## Academic Programs

Following Programs are offered by the Department of Physics:

### Bachelor of Science in Electronics: BS(Elec)

Programs	BS(Elec)
Eligibility	Intermediate or equivalent with Physics and Mathematics or equivalent with minimum 50% marks, from an accredited institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	140
Campus Offering	Islamabad

This is a four-year degree program, with emphasis placed on producing scientists in the field of Physical Electronics. The program trains students in the art of Electronics with reference to Physics and gives them an insight into the working of devices and integrated circuits. Students start working on their own projects as early as the fourth semester. We offer specializations in Communications, Control Electronics (industrial), and Microelectronics.

### Bachelor of Science in Physics: BS(Phy)

Programs	BS(Phy)
Eligibility	Intermediate or equivalent with Physics, with minimum 50% marks, from an accredited institution. Pre-medical students may be admitted provisionally. They have to pass additional Maths course within one year after admission.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	134
Campus Offering	Islamabad and Lahore

COMSATS Institute of Information Technology is taking a lead in introducing a BS degree in Physics at its Islamabad and Lahore campuses. The 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 opt for electives in a number of

available areas like micro and nanotechnologies (electronics and opto electronics), material science, high energy physics, radiation physics, quantum optics and informatics. The graduates will readily be employed by R&D organizations, and teaching institutions, and for PhD studies.

## Relevance of Program

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 the Higher Education Commission help us keep up-to-date with new policy trends and job market facilitation incentives being unrolled by the government and private sectors. Past experience demonstrates that our program content is relevant and very much in need in all areas related to physics.

## Faculty Members of the Department of Physics

### Islamabad Campus

#### Professors

- Dr. Muhammad Aslam Khan, PhD, University of Hull, England.
- Dr. Mais Suleymanov, PhD, Dubna, Moscow region, Russia.
- Dr. Arshad Saleem Bhatti, Chairman, PhD, Cambridge University, UK
- Khusniddin Olimov, PhD
- Ehtiram Shahaliyev, PhD

#### Advisors

- Dr. Ashraf Ata, PhD, Birmingham University, UK

- Dr. Javaid Anwar, Post Doctorate, Hong Kong Baptist University, Hong Kong; PhD, QAU, Islamabad
- Dr. Hameed Ahmed Khan, PhD, Birmingham University, UK
- Dr. M. Zafar Iqbal, PhD, University of Manchester, UK
- Dr. Kamal-ud-Din Ahmed, PhD, London University, UK
- Dr. Nasim Zafar, PhD, University of Cambridge, UK
- Dr. Abdul Waheed, M.Sc, University of Punjab, Lahore
- Aziz Ahmed Qureshi, M.Sc, Peshawar University, Peshawar

#### Associate Professors

- Dr. Ishaq Ahmad , Head, PhD, QAU, Islamabad
- Dr. Ahmer Naweed, PhD, University of Massachusetts, Lowell Massachusetts, USA
- Dr. Mahnaz Qader Haseeb, PhD, QAU, Islamabad
- Dr. Sadia Manzoor, PhD, QAU, Islamabad
- Dr. Yashar Huseynaliyev, PhD, Dubna, Moscow region, Russia
- Dr. Muhammad Anis-ur-Rehman, PhD, QAU, Islamabad
- Dr. Farida P. Tahir , Post Doc University of Kansas, USA; PhD, QAU, Islamabad

#### Assistant Professors

- Dr. Mubarak Ali, PhD, University Teknologi, Malaysia(On Study Leave)
- Dr. Nazar Abbas Shah, PhD
- Dr. Ijaz Ahmed, PhD, QAU, Islamabad.
- Dr. Amir Wali Rauf, PhD, University of Edinburgh, UK.
- Dr. Zuhair S. Khan, Post Doctorate, Korea Atomic Energy Research Institute, Korea; PhD, Kyoto University, Kyoto, Japan

- Dr. Umair Manzoor, PhD, Korea Atomic Energy Research Institute, Korea
- Dr. Muhammad Kamran, PhD, Graduate University of Chinese Academy of Science, Beijing, China
- Dr. Waqar Ahmed, PhD, University of Twente, Netherlands
- Dr. Najeeb-ur-Rehman, PhD, QUA, Islamabad
- Manzar Abbas , MPhil
- Asif Matin, MS, University of Cincinnati USA (On Study Leave)
- Malik Muhammad Asif, MPhil, QAU, Islamabad
- Asif Iqbal Zia, M.Sc, Government College Lahore University, Lahore (On Study Leave)
- Waqar Haider Bukhari, Specialist Electronics , M.Sc

Besides, 40 Lecturers and 19 Research Associate are also associated with this department.

### Lahore Campus

#### Professors

- Dr. Syed Javaid Iqbal, Head, PhD, University Malaya, Malaysia

#### Associate Professors

- Dr. Muhammad Asif, PhD, Institute of Plasma Physics, Chinese Academy of Sciences, China
- Dr. Ashfaq Ahmad, Post Doctorate, Miyagi National College of Technology, Natori, Japan

#### Assistant Professors

- Dr. Mazhar Hussain, PhD, Government College University, Lahore
- Dr. Shoaib Munir, Post Doctorate, National Autonomous University of Mexico, Mexico (On Study Leave)
- Dr. Abdul Rashid, PhD, Johannes Kepler University,

- Linz, Austria
- Dr. Muhammad Ashfaq Ahmed, PhD, Harbin Institute of Technology, China
- Dr. Salman Naeem Khan, PhD, Zhejiang University, China
- Dr. Ijaz Ahmed, PhD, China
- Rashid Najeeb, MPhil, Government College University, Lahore
- Javed Iqbal Abid, MPhil, University of Punjab
- Shahzada Junaid Shareef, M.Sc, Government College University, Lahore (On Study Leave)
- Nusrat Rafique, MPhil, QAU, Islamabad (On Study Leave)

Besides, 11 Lecturers and one Research Associates also associated with this department.

### Wah Campus

#### Associate Professors

- Dr. Rahim Dad Khan, Head, PhD, Shanghai University of Science & Technology, China

#### Assistant Professors

- Dr. Sheraz Anjum, PhD, Graduate University of Chinese Academy of Sciences, China
- Dr. Shahzad Saleem, PhD, Australia
- Badar Suleman, M Phil, QAU, Islamabad

Besides, three Lecturers are also associated with this department.

# Department of Biosciences

Establishment of institutions of higher learning in the fields of basic and applied sciences is one of the cornerstones of the policies of the Higher Education Commission. The Government of Pakistan intends to develop a large pool of high quality scientists, researchers and technicians in various fields of sciences including computer sciences and informatics. The field of Biosciences has gained immense importance with the development of the Human Genome Project and modern technologies.

Many developing countries, including India, Brazil, South Africa, Cuba as well as China are rapidly expanding their Biosciences base. It is imperative that Pakistan also does so. Many developed countries have already embarked upon Biosciences-Biotechnology based research, but most of this research caters for their unique problems, which may or may not be of primary concern of the developing or even underdeveloped world. It is absolutely essential that we develop our own viable infra structure for knowledge based scientific research addressing our peculiar demands, using our own resources, both human and material.

There is an acute requirement of continuous training of the scientists and researchers in the rapidly evolving disciplines of Microbiology / Immunology, Molecular Biology / Biochemistry, Molecular Genetics, and Developmental Biology & Bioinformatics. In view of this, CIIT took the initiative by establishing the Biosciences department in 2003, and introducing a 4 year degree program in Bioinformatics at Islamabad, and added another undergraduate degree in Biosciences from 2007. CIIT in this regard was the first institution to offer such programs in and around Islamabad.

The Department of Biosciences has gathered different interdisciplinary/inter-departmental groups comprising life

scientists, computer scientists and mathematicians, who collectively take part in the teaching and training program leading to the degrees in Bioinformatics and Biosciences.

## Academic Programs Offered

Following Programs are offered by the Department of Biosciences:

### Bachelor of Science in Bioinformatics: BS(BI)

Programs	BS(BI)
Eligibility	Intermediate with Pre-Medical, Pre-Engineering and ICS or equivalent and minimum 50% marks, from an accredited institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	139
Campus Offering	Islamabad & Sahiwal

The course outlines aim to produce professionals who have the breadth of knowledge and skills required for a career in Bioinformatics, an area of science combining the latest developments in Informatics, Functional Genomics, Bimolecular Structure, Proteomics, Cell Metabolism, Biodiversity, Drug and Vaccine Design etc.

It aims to produce professionals with a broad understanding of the molecular processes of life, An understanding of the expression and control of genes, An understanding of the tools used to map and sequence genomes, Confidence in the

application of statistical tests of significance, A high level of skills in design and use of Informatics techniques with an emphasis on the organization, display and interrogation of complex data.

### Bachelor of Science in Biosciences: BS(BS)

Programs	BS(BS)
Eligibility	Intermediate with Pre-Medical or equivalent and minimum 50% marks, from an accredited institution.
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	133
Campus Offering	Islamabad

At present, no other institution, in and around Islamabad is offering undergraduate program in Biosciences. The CIIT has however, taken initiative and launched a degree program in the field of Biosciences. The program perfectly aligns with the graduate study program offered by Biosciences department.

### Relevance of Programs

Career opportunities for Bioinformatics students include the pharmaceutical and biotechnological companies and leading research institutes and universities. Their expertise will also be used as workforce in those mega projects which are in the pipeline like Center of Excellence in Microbial Genomics, National Centre for Proteomics and National Center for Bioinformatics.

Essentially 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, all of which rely heavily on efficient bioinformatics applications.

### Market Demand

The insights, products and a variety of biomedical and biotechnological applications emerging from the field of genomics are widely considered to transform significantly medicine and biology in the coming years. An equitable contribution of developing countries, such as Pakistan, in this whole process, is not only vital for the economic growth of the country but also of global importance to best reap the profits of human resource world-wide. We believe that our graduates with broad base knowledge will fill this vacuum.

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. In addition, these graduates will have better opportunity to be selected for already established higher education programs leading to MS and Ph.D. degrees.

## Faculty Members of the Department of Biosciences

### Islamabad Campus

#### Advisors

- Dr. Shahzad. A. Mufti, PhD, Case-Western Reserve University, USA

#### Professors

- Dr. Raheel Qamar, T.I., Dean, PhD, University of North Texas, USA
- Dr. Fauzia Yusuf Hafeez, Chairperson, PhD, QAU, Islamabad
- Dr. Shahid Nadeem Chohan, PhD, UMIST, Manchester, UK
- Dr. Farah Mustafa, PhD, University of Massachusetts Medical Centre, USA

#### Associate Professors

- Dr. Mahmood A. Kiyani, Head, PhD, University of Wales, Swansea, UK
- Dr. Rani Faryal , Post Doc, Karolinska University, Sweden, PhD, QAU, Islamabad
- Dr. Asifa Ahmed , PhD University of Karachi
- Dr. Syed Habib Bokhari , PhD, University of Glasgow, UK (On Study Leave)

#### Assistant Professors

- Dr. Muaz Niazi, PhD, University of Stirling, UK
- Dr. Muhammad Saeed, PhD
- Dr. Muhammad Zeeshan Hyder, PhD, University of Arid Agriculture, Rawalpindi
- Dr. Zakia Naureen, PhD
- Tayyaba Yasmin, M.Sc
- Irum Muhammad Qureshi, MPhil, QAU, Islamabad

Besides, 38 Lecturers and 37 Research Associate are also associated with this department.

### Sahiwal Campus

#### Advisors

- Dr. Muhammad Aslam, PhD, Manhattan USA

#### Assistant Professors

- Dr. Shazia Mannan, PhD, QAU, Islamabad

Besides, four Lecturers are also associated with this department.



A research student of Biosciences at CIIT Islamabad

# Department of Environmental Sciences

Environment is essential to sustain life on earth. During the last two decades, the high rate of economic growth not only resulted in boosting the industrial production, but also led to higher levels of energy consumption and air and water pollution, which pose greater risks to the environment. Over-exploitation of natural resources and degradation of environment is leading to the endangerment of ecological infrastructure that is essential for the survival of human beings, plants and animals. In order to bring a balance between human development and environment protection, there is a need for scientific study of environment related issues and exploring remedial techniques.

Established in 2004, the Department of Environmental Sciences at Abbotabad Campus has become a hub for interdisciplinary undergraduate and graduate studies and research, and advocacy on environmental issues.

## Academic Programs

Following program is offered by the Department of Environmental Sciences:

### Bachelor of Science in Environmental Sciences: BS(ES)

Programs	BS(ES)
Eligibility	Intermediate with science or equivalent and minimum 50% marks, from an accredited institution.

Session	Fall and Spring semesters
Semesters	8
Number of Years	Four Years
Credit Hours	135
Campus Offering	Abbotabad

Keeping in view the importance and the growing demand for environmental scientists and professionals, the department has initiated a bachelor's degree in Environmental Science.

## Learning Enhancing Activities

The department is initiating linkages with international institutions to develop split degree programs, involving research collaborations. This will also strengthen its BS program base. The Department is also devising tailored course according to the needs of an organisation, industry or institution in Pakistan.

The demand for professionals capable of performing tasks such as sample collection, monitoring, data management, instrumentation, calibration, operation and maintenance continues to increase. department's teaching and research programs are designed to meet this demand by providing professionals to work in a wide array of positions for environmental engineering consulting firms, environmental laboratories, wastewater and water treatment facilities, various types of manufacturing facilities, governmental agencies, and other organizations.

# Department of Earth Sciences:

The department is established in Abbottabad with consideration of its special geographic location in the World's most active mountain system, the Himalayas. It provides students an opportunity to learn about the geological processes in a real-time mountainous setting. As an Earth Scientist, the students may be involved in search of hydrocarbons, minerals, and water resources or may also be engaged in the remediation of environmental hazards, and prevention and/or prediction of natural disasters such as earthquakes, volcanic eruptions, landslides, erosion and floods. A good reason to choose Earth Sciences as

an academic program in Abbottabad is the opportunity it provides for outdoor academic learning and research that combines field work with the latest in technology for studies related to the earth on which we live.

The unique location of Abbottabad provides easy access to all three main types of rocks and most diversified set of geological features. These 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 in close proximity.

## Bachelor of Science in Earth Sciences: BS(ERS)

Programs	BS(ERS)	
Eligibility	For Geology Major	F.Sc. or equivalent qualification from an accredited institution with at least 50% marks or C-Grade  OR  Diploma in Electrical, Mechanical or Civil Technology from an accredited Polytechnic Institute or College of Technology with 50% marks, or C-Grade
	For Geophysics Major	F.Sc. or equivalent qualification with Mathematics from an accredited institution with at least 50% marks or C-Grade  OR  Diploma in Electrical, Mechanical or Civil Technology from an accredited Polytechnic Institute or College of Technology with 50% marks or C-Grade
Session	Fall and Spring	
Semesters	8	
Number of Years	Four Years	
Credit Hours	132	
Campus Offering	Abbotabad	

## Academic Programs

BS (ERS) program is offered by the Department of Earth Sciences.

Keeping in view the importance and the growing demand for earth scientists and professionals, The Department of Earth Sciences at CIIT Abbottabad, is proud to offer a 4-year Bachelor degree of Science either in Geology and Geophysics. The program is designed to provide a solid foundation in the Earth sciences with elective course sequences that prepare students either for graduate study or for occupations in industry, business, government and education.

## Faculty Members of the Department of Environmental Sciences and Department of Earth Sciences.

### Abbottabad Campus

#### Advisors

- Dr. Abdul Matin Awan, PhD, University of Punjab, Lahore
- Dr. Kiramat Khan, PhD, University of Nebraska Lincoln, USA

#### Professors

- Dr. Ishtiaq Ahmad Khan Jadoon, Chairman, Post Doc Germany; PhD, Oregon State University, USA
- Dr. Iftikhar Ahmad Raja, PhD, University of Strathclyde Glasgow UK
- Dr. Javaid Jahan Baluch, PhD, Punjab University, Lahore

- Dr. Muhammad Maroof Shah, PhD, University of Nebraska-Lincoln, USA

#### Associate Professors

- Dr. Muhammad Irshad, PhD, Tottori University, Japan

#### Assistant Professors

- Dr. Zahid Mehmood Khan, PhD, University of British Columbia, Vancouver, Canada.
- Dr. Raza Ahmad, PhD(On Study Leave)
- Dr. Romana Khan, PhD, Kyungpook National University, Korea
- Dr. Amjad Hassan, PhD, Graduate School of Science & Technology, Niigata
- Dr. Mustafa Nawaz Shafqat, PhD, Kansas State University USA
- Dr. Amir Habib, PhD, Institute of Analytical & Tech Chemistry, Tuwien
- Dr. Muhammad Qasim, PhD, Texas Southern University, Houston, USA
- Dr. Muhammad Tahir Amin, PhD, National University, Korea
- Dr. Muhammad Farooq Khan, PhD, Chonbuk National University, South Korea
- Dr. Jamshaid Hussain, PhD, University of Verona, Italy
- Muhammad Arfan, MPhil, QAU, Islamabad
- Dr. Muhammad Umar, PhD, University of Balochistan
- Dr. Muhammad Bilal, PhD, European University of Brittany, France
- Dr. Yusra Pervaiz Ashraf, MBBS, University of Punjab, Lahore
- Dr. Tahir Ali Akbar, PhD, Belford University, USA
- Dr. Qaisar Mehmood, PhD, Zhejiang University, Hangzhou, China

- Dr. Farid Ullah, PhD, Tottori University Japan
- Dr. Javed Iqbal, PhD, Mississippi State University, USA
- Dr. Muhammad Amjad Sabir, PhD, University of Peshawar
- Zulfiqar Ahmad Bhatti, MSc, Katholieke University, Leuven, Belgium
- Tayyab Ashfaq, MS, KAIST Korea

- Asim Jahangir Khan Wazir, MSc, University of Peshawar
- Azra Riffat Rana, MSc, University of Punjab, Lahore

Besides, 13 Lecturers and 12 Research Associates are also associated with this department.



*Environmental Sciences students at CIIT Abbottabad*

# Department of Pharmacy

Pharmacists are the third largest health care professional group in the world and currently, there are about 6000 pharmacists in Pakistan. However, according to the WHO recommended pharmacist/ population ratio of 1:2000 for optimal health care delivery, more than 75,000 pharmacists are required for the current population. Further, the role of pharmacist in the health care system is escalating day by day due to the introduction of uncounted new drugs, emergence of new resistant microbes, and the changes in the health care delivery systems.

This situation has created a huge demand for more professional pharmacists, not only for the country, but also in the world where there is a severe shortage of pharmacists. In view of the present and emerging needs of the pharmacy profession, decided to launch the Department of Pharmacy at its Abbottabad Campus. The major theme behind this idea was to play 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 arranged excellent facilities and has the services of internationally qualified faculty members.

## Academic Programs

Following program is offered by the Department of Pharmacy:

Program	Pharm-D
Eligibility	Intermediate or equivalent in medical group with minimum 60% marks from an accredited institution.
Session	Fall
Semesters	10
Number of Years	Five
Credit Hours	192
Campus Offering	Abbottabad

## Pharm-D

The Department of Pharmacy is offering Doctor of Pharmacy (Pharm-D) program to the prospective students annually during Fall semester. Pharm-D is a five years degree program of ten semesters. During this period, the students receive rigorous training in theoretical and practical knowledge of all aspects of pharmacy. The syllabus has been designed in the light of recommendations from HEC and Pharmacy Council of Pakistan.



The degree of Pharm-D is awarded to the students on successful completion of minimum 192 credit hours, including clerkship in the clinical setting and a project related to clinical pharmacy practices. Moreover, each student has to complete a six weeks training program in a well known pharmaceutical firm or a teaching hospital.

## Faculty Members of the Department of Pharmacy

### Abbottabad Campus

#### Professors

- Dr. Nisar Ur Rehman, PhD, Malaysia
- Dr. Izhar Hussain, Chairman, Post Doctorate, Kansas State University, USA ; PhD, Oregon State University, USA

#### Advisor

- Dr. Qazi Najam us Saqib, PhD, University of Karachi

#### Associate Professor

- Dr. Jamshed Iqbal, PhD, University of Bonn, Germany(On Study Leave)

#### Assistant Professor

- Dr. Ghulam Murtaza, PhD, IUB, Bahawalpur
- Dr. Sami Siraj, PhD, China Pharmaceutical University, Nanjing, China
- Dr. Muhammad Yasir, PhD, Gyeongsang National University, South Korea
- Dr. Abdul Mannan, PhD, QAU, Islamabad

- Dr. Abdul Jabbar Shah, PhD, University of Karachi (On Study Leave)
- Dr. Taous Khan, PhD, Kyungpook National University, Korea
- Sabeeh Mohsin, MPhil, University of Bahawalpur



## Faculty of Architecture and Design

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

## Department of Architecture

The decision to launch the Department of Architecture in Islamabad was taken in 2005. It affords an opportunity to re-examine and re-evaluate the architectural education prevalent in the country. This also marks an effort to bring back Art into Architecture, which was lost in the preceding few centuries. The aim and focus of the program is to forge holistic thinking about the conceptual basis of design. Architecture must flow from the mind of the architect, always addressing the issues of tradition, function, energy efficiency, climate control, structural stability and any other factor that impinges concepts of the solutions to the problem. Its counter part department at Lahore has also been established since 2007.

The department aims to deal with questions of tradition and modernity, comfort, environmental sustainability, appropriate architecture, not as separate subjects in an isolated manner. Every assignment or project in the subject of Architectural Design will incorporate these elements at the simple to complex levels so that these issues become an integral part of student thinking.

Therefore at the end of the program students will not set out to do a “traditional” or “modern” design, but will bring their own unique approach based on their vision to bear upon all designs that they carry out. Thus, the students will continuously examine and re-examine the context of the problem at hand and will discover within themselves solutions that are based on personal sensitivities.

The department takes pride in having a strong faculty with years of extensive experience in architecture, design and aesthetic studies.

### Academic Programs

Following programs are offered by the Department of Architecture:

#### Bachelor of Architecture: B.Arch

Programs	B.Arch
Eligibility	Intermediate or equivalent with minimum 50% marks, from an accredited institution.
Session	Fall semester only.
Semesters	10
Number of Years	Five Years
Credit Hours	174
Campus Offering	Islamabad and Lahore

This is a five years course divided into three stages; foundation, intermediate and final, spread over ten semesters.

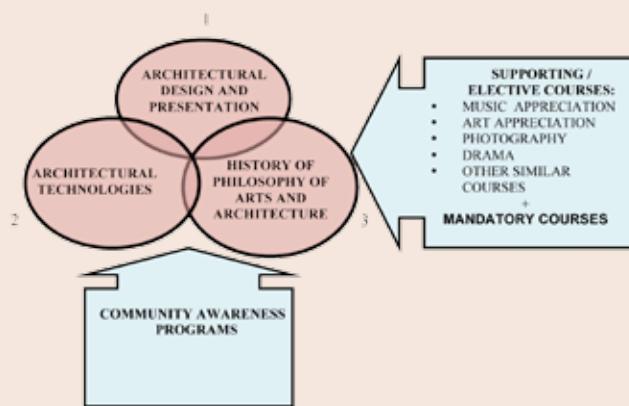
The Foundation level imparts intensive training in verbal and graphic communication, logical thinking and the ability to theorize art. The Intermediate level ensures the ability to conceive a project as a whole, its forms, always invariably placed in a context of the street, city and culture; and as a functional entity to fulfil the needs for which it is to be built. The Final stage enables the students to think independently, to experiment with form and structure, to better understand contextual issues of society, to determine for themselves the future directions of their development as architects.

The curriculum of the degree is broadly based upon three subjects from third semester to the ninth semester, i.e.

- Architectural Design;
- Architectural Technology;
- History and Philosophy of Art and Architecture.

### ARCHITECTURAL EDUCATION:

The following diagram explains the integrated approach of architectural education where the core courses are integrated together and with other supporting courses throughout the five years.



Topics such as Landscape, Interior Design, Housing and Urban Design are integral parts of the Architectural Design course instead of being taught separately. Detailed study of environmental factors, CAD, presentations and model building are also a part of the same.

Programs	B.Des
Eligibility	Intermediate or equivalent with minimum 50% marks, from an accredited institution.
Session	Fall semester only.
Semesters	08
Number of Years	Four Years
Credit Hours	138
Campus Offering	Islamabad and Lahore

### Bachelor of Design (B.Des)

Using an interdisciplinary approach to design, this degree offers the students an opportunity to experiment in a variety of genres and finally choose from a multitude of design disciplines such as Graphics, Furniture, Illustration, Interactive Design, and Moving Image.

Studio practice and contextual studies will allow the students to draw upon their material culture, history, sociology, literature, art theory and design practice. Study of marketing and management skills will enable the students to understand the business environment or establish their own design practice.

The courses will be learner-based and flexible with considerable input from the industry. During the third year, the students will be required to go through a properly monitored internship program, which will be evaluated jointly by the industrial partners and the tutor.

During the final year the students will produce a research-based Design project, preferably on a theme related to the community.

The B.Des Design course is a four-year full time course of 138 credits. Students will be 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, experiment with ideas and challenge current practices to produce work that is outside commercial constraints. After a first year introductory common program, students will be offered a choice of specialist areas at the beginning of their second year - Advertising, Design, Illustration, Moving Image; or Product Design.

The course encourages and enables students to develop knowledge of the context in which design occurs. Students will be helped to create a range of critical positions towards a definition of their own practice and its context. The curriculum also includes opportunities to engage with Web Design, Motion Graphics, and Photography, Print production and Interactive digital media. Students may specialize (e.g. in furniture) or be pluralists (e.g multi-media design). The course supports open attitudes to Graphic Design, Communication Design and Product Design; it encourages multi-disciplinary, individual and team working approach.

### Faculty Members of the Department of Architecture

#### Islamabad Campus

##### Professors

- Zain ul Abedin, Chairman, MBA, Oxford Brooks University, UK, B.Arch.,UET, Lahore
- Nargis Khalid, Master(Art Education)

##### Advisors

- Muhammad Pervaiz Vandal, B. Arch, American University of Beirut, Doctoral Research, University of New South Wales, Australia

##### Associate Professors

- Samra Mohsin Khan, Head, B.Architecture, NCA Lahore
- Farrah Mehmood Rana, M.A, National College of Arts, Lahore
- Aisha Asim Imdad, BFA, NCA Lahore
- Muhammad Afzal Ibrahim, MA, Arizona State University, USA

##### Assistant Professor

- Uzma Noreen Zainulabedin, MBA, Oxford Brooks University UK
- Salma Manzoor , M.A, University of Punjab
- Kifayat Hussain, B. Arch, UET Lahore
- Adnan Amin, B. Arch, NED Karachi

Besides, 16 Lecturers are also associated with this department.

#### Lahore Campus

##### Professors

- Dr. Rafiq A. Malik, PhD, University of Sheffield, UK (On Leave)

##### Advisors

- Shaukat Nawaz Raja, Bachelor, University of Engineering & Technology, Lahore, Pakistan
- Hasan Shah Nawaz Zaidi, MFA, University of Punjab

##### Assistant Professor

- Saba Samee, Incharge, MA, University of York, UK

Besides, 10 Lecturers are also associated.



*A view of Lahore Campus*



A delegation from Lancaster University, U.K.

## (Section – II)

# Dual Degree Programs at Lahore Campus

### Introduction of Dual Degree Program

A dual degree program (DDP), sometimes also called a conjoint degree, double degree, or simultaneous degree program, is now becoming a popular phenomenon with its worldwide recognition in higher education systems. DDP is more common in some countries than others, and is generally found in countries whose higher education systems follow the British model, but they are becoming equally popular and are on offer at some of the top ranked American universities like Harvard, Stanford, MIT, etc. as well. There are various types of DDP but all of them have a feature in common that the students participating in a “dual degree program” normally pursue two different degrees in parallel. This involves two institutions and sometimes even two different countries, where less time is spent to earn both the degrees compared to earning them separately. Moreover, the prospective students for DDP in collaboration with a foreign institution need to separately meet the eligibility criteria for admissions at both the institutions, i.e. home country institution and the partnering foreign institution.

### Why a Dual Degree Program?

The DDP has witnessed quite an enormous growth in past few years, especially in the technologically advanced and developed countries of the world, as the gaining of qualifications from more than one country is seen as an advantage in today’s world. Typically a DDP provides a very good value for money as the students enrolled in DDP get two degrees without having to spend twice the

time and effort that normally is consumed in completing the requirements of two degrees separately. Further, DDP provides an alternate path to the students, both in professional career or for seeking admissions in the higher degree programs. Students successfully completing the program earn two degrees and they do so in a cost-effective manner by paying only a fraction of cost involved in obtaining both the degrees separately. Moreover, two different degrees enlarges the canvass of choices of jobs and careers for their recipients, especially when the double degrees are earned from institutions in two different countries.

### CIIT – Lancaster University Dual Degree Program (DDP)

A landmark agreement between COMSATS Institute of Information Technology (CIIT) and Lancaster University, UK (LU) has allowed Pakistani students to earn an international degree from a high-ranking UK University in addition to their own degree from CIIT. The most obvious advantage of this Dual Degree Program would be the benefit of an international degree at an affordable cost without leaving the comfort of home. CIIT and LU have agreed initially to start the undergraduate program in three disciplines: Business Administration, Computer Science & Telecommunication Engineering. Following this pilot, it is now planned to extend this program to also enclosed Computer Engineering from Fall 2011.

CIIT-LU Dual Degree Program (DDP) carries a lot of significance as it is one of its kind program launched in Pakistan for the very first time and by the two top-ranked institutions: COMSATS Institute of Information Technology, ranking among the top 06 institutions of higher education in Pakistan, and Lancaster University, ranking among the top 09 universities in the UK and top 200 universities in the world.

## Introduction of Lancaster University, UK

Lancaster University (LU), founded in 1964, is now one of the most reputed institutions of UK, collaborating with many countries for bringing international education at the door steps of diverse communities of nations. H.R.H Princess Alexandra was the LU's founding Chancellor, who retired from her services after serving for more than 40 years. Since March 2005, Sir Christian Bonnington, Britain's best known mountaineer, is serving as the second Chancellor of the university. The motto adopted by LU was "Patet omnibus veritas", which means "Truth lies open to all" reflecting the hope that the expansion of higher education would lead to the extension of education to all.

Currently, LU has over 10,000 students at its UK campuses that are recognized at national and international level with more than 1525 academic staff including 347 senior academics. It has been ranked in the top ten universities of UK along with Oxford, Cambridge, Imperial College and the London School of Economics out of 113 universities by Times Good University Guide, 2011. Lancaster University is an institution that offers world class teaching and research, with many of its departments consistently outstanding in both the recent teaching quality assessment and the research assessment exercise.

The LU has acquired the status of a world class university on the basis of: 1) high quality of teaching, research, and external engagements; 2) regional, national and international repute and impact; and 3) the global identity and esteem of multi-cultural staff, students and alumni. Students from LU have excellent career prospects as they receive support from the University careers service throughout their studentship. Once they have moved on from LU, they become part of a worldwide community of over 70,000 alumni in over 120 countries.

The dual degree program is LU's latest overseas venture. It has already launched a campus in India with the GD Goenka Educational Trust where 300 students have been admitted as its first cohort in August 2009. Similarly, Lancaster University is already running a similar Dual Degree Program in Malaysia with the collaboration of Sunway University College.

## History & Background of CIIT-LU Dual Degree Program (DDP)

COMSATS Institute of Information Technology (CIIT) is in line with the commitment of Government of Pakistan and has a firm focus on adding quality to its academic programs as well as to all other segments of its operations. The Institute has always concentrated its efforts on establishing professional linkages with prestigious international universities and research and development organizations.

The efforts of CIIT were further strengthened with the strategic direction set by the Government of Pakistan to emphasize the need for CIIT to develop into a high-ranking university of Pakistan, competing at the international level.

A Memorandum of Understanding (MoU) between CIIT and Lancaster University (LU), UK, signed in 2007, was an opportunity to further the above objective. Diligent efforts resulted in the form of an agreement to start CIIT-LU Dual Degree Program (DDP) at undergraduate level in select fields at CIIT Lahore Campus, which was approved by all the statutory bodies/fora of LU including its Senate. Similarly, CIIT also obtained the blessings of its academic bodies, its Board of Governors, as well as Higher Education Commission of Pakistan.

Pursuant to the approval of the DDP, the formal ceremony for signing the collaborative agreement was held on 18<sup>th</sup> February 2010 in London. A delegation from CIIT led by

the Federal Minister for Science and Technology, who is also the Chancellor of CIIT, attended the ceremony, where it was mutually agreed to formally launch the DDP at Lahore Campus of CIIT from Fall 2010. The formal launching ceremony took place in Lahore during June 2010 and later the first batch of the students was inducted in the program during July/August 2010 and classes were started in September 2010.

### **Salient Features of DDP**

CIIT has established separate facilities for the program at the Lancaster Block. It is a sub-campus of the CIIT Lahore where state-of-the-art academic and support facilities have been made available for the students. Video conferencing facility is a regular feature used by both the institutions in order to ensure the quality of the program. Since Lancaster University is offering Dual Degree Programs with other countries as well, therefore it may enable exchange of students among these countries for better understanding of each other's culture and peculiar educational environments.

<b>Facilities at Lancaster Block</b>	
Total Covered Area	30,324 sq. ft
Class Rooms (Number and area)	8 (6,790 sq.ft)
Labs (Number and area)	4 (3,448 sq.ft)
Computers in Labs for students	38
Computers for Faculty/Staff	34
Library (Number of books and area)	946 (1,740 sq.ft)
Journals in Library (Number)	15

Online Journals (Number)	3,000
Hostel Accommodation for Male Students (Seats)	30
Hostel Accommodation for Female Students (Seats)	300
Electronics Lab	1
Applied Physics Lab	1
Computer Lab	1
Lingual Lab (Under Process)	1

Under DDP, the LU has validated the curriculum of CIIT. The students entering into the program receive education at CIIT but are evaluated and examined on the standards of the Lancaster University (LU). In this context, the program, in fact, has brought the international education to Pakistan. According to the planned program, CIIT and LU award two separate degrees to such students, who successfully complete a four-year study program in the CIIT Lahore Campus in the disciplines of Business Administration, Computer Science and Electrical (Telecommunication) Engineering, and now Computer Engineering as well. Considering the very high educational standards of LU and CIIT, it has been ensured that the quality of teaching and evaluation process for the students to qualify for dual degree should be equally demanding.

The salient features of the DDP are as follows:

- LU validates, evaluates and monitors the educational programs at CIIT to make them compatible with their standards,
- Students registered in the program at CIIT are considered 'external students' of LU, while undertaking their studies at CIIT's Lahore Campus, with joint

- monitoring and support of LU.
- On successful completion of the four years program, students will be awarded two degrees, one by LU and the other by CIIT.
- The graduated students will be alumni of both LU and CIIT.
- The students have full access to online resources of LU.
- Faculty, Library, Computer Labs and other facilities are at par with LU standards,
- Quality assurance of the program is jointly ensured by LU and CIIT.
- C-L DDP is highly cost effective as the students only pay less than 15 percent of the total expense, compared to what it would normally cost, if they actually go and study at LU.



## Programs of Study

### 1. Computer Science:

The Department of Computer Science at Lahore Campus was established in 2002 and since then it has been imparting quality education with excellent research opportunities in many advance areas like Computer Networks, Web Semantics, Speech Processing, Computer Graphics, Image Processing, Artificial Intelligence, Computer Vision, Software Engineering, Databases, Robotics, etc.

The Department of Computing at Lancaster University is recognised as an international centre of excellence in computer science research and 100 percent of its research was declared of “international quality” in 2008 research assessment.

Under DDP, the Department of Computer Science at CIIT Lahore Campus in collaboration with Department of Computing at Lancaster University offers a 4-year undergraduate Dual Degree Program in the area of Computer Science with the prime objective to prepare students for entry-level Computer Science positions in business, industry and for profit organisations. The program is highly economical but the quality of knowledge is at par with international standards.

#### Award of Degrees:

On completion of the four years program, students are awarded two degrees:

- B.Sc (Hons) in Computing from Lancaster University.
- BS in Computer Science from COMSATS Institute of Information Technology.

## Accreditation:

The BS Computer Science Program of the CIIT Lahore has been awarded best category ‘W’ by National Computing Education Accreditation Council (NCEAC) of Pakistan, whereas the BSc (Hons) in Computing is accredited by the Institute of Engineering and Technology, UK.

Eligibility Criteria and Program Structure	
Eligibility	<ul style="list-style-type: none"><li>• F.A/F.Sc/A-Level with Mathematics with minimum 60% marks.</li><li>• IELTS score of at least 5.5 Band (to be acquired within first year of study period)</li></ul>
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	134
Minimum CGPA required for degree completion	2.0
Campus Offering	CIIT Lahore

## 2. Business Administration:

The Department of Management Sciences at Lahore since 2002 has been imparting an affordable, high quality formal education as per international standards to increase its competitiveness, and contribute to the local and global communities through the activities that help other organizations to operate at their optimal potential. Over the past eight years, the department has emerged as the most dynamic and vibrant department across the entire CIIT's network of seven campuses.

Lancaster University’s Management School (LUMS) is a triple-accredited institution of international standing which is consistently ranked among the UK’s top five business schools. It has excellent undergraduate and graduate programmes and research culture. Its mission is to produce research outputs of world-class quality and impact through collaboration with international, national and regional alliances to enhance economic, social and individual well being.

Under DDP, the Department of Management Sciences at CIIT Lahore Campus in collaboration with Lancaster University Management School (LUMS) offers a 4-year undergraduate Dual Degree Program in the area of Business Administration. The program intends to give students the opportunity to earn a world class bachelor degree in business and management in Pakistan, which would provide them a competitive edge in the job market after graduation and opens the door for them to easily pursue higher studies in the UK and other developed countries.



### Award of Degrees:

On completion of the four years program, students will be awarded two degrees:

- B.Sc (Hons) in Business Studies from Lancaster University.
- BS in Business Administration from COMSATS Institute of Information Technology.

### Accreditation:

The B.Sc (Hons) Degree in Business Studies is accredited by the Association to Advance Collegiate School of Business (AACSB), which is an international accrediting agency.

Eligibility Criteria and Program Structure	
Eligibility	<ul style="list-style-type: none"><li>• F.A/F.Sc/A-Levels with minimum 60% marks</li><li>• IELTS score of at least 5.5 Band or higher (to be acquired within first year of study period)</li><li>• The students must be able to communicate well in English language (mandatory)</li></ul>
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	139
Minimum CGPA required for degree completion	2.0
Campus Offering	CIIT Lahore

### 3. Electrical (Telecommunication) Engineering and Electrical (Computer) Engineering:

Department of Electrical Engineering at COMSATS IIT, Lahore, caters to all the needs of the current technological innovations. It strives to open the minds of students to knowledge and enable them to take the best advantage of the educational facilities here. CIIT has a strong history of providing quality, career-oriented education.

Department of Electrical Engineering is committed for quality education, productive research and service to the humanity. It offers opportunities for specialization in various areas including Wireless Systems, Optical Communications, Electronics, Control Systems, Signal Processing, Data Communications and Image Processing etc. The Department has its IEEE Chapter, the largest forum of research for EE Engineers. Student membership to IEEE is available from this chapter. Department regularly holds different exhibitions, conferences & seminars and also provides recognized Cisco Certified trainings (CCNA, CCNP etc). Students work under the supervision of highly qualified faculty. Choosing to study at CIIT students make the most of their potential.

The School of Computing and Communications at Lancaster University is internationally recognized for its contribution to many fields of information and communication technology. The Department carries out internationally leading research with research income currently in excess of 3 million pounds sterling.

Under DDP, the Department of Electrical Engineering at CIIT, Lahore Campus in collaboration with the Scholl of Computing and Communications at Lancaster University

offers two 4-year undergraduate Dual Degree Program in the area of Electrical (Telecommunication) Engineering and Electrical (Computer) Engineering. The prime objective of the program is to provide students in Pakistan with access to highest quality technical education of international standard to secure competitive positions or enter into programs of advanced study in the areas of communication systems and electronics and computing with research opportunities in the areas like wireless systems, electronics, control systems, signal processing, data communications, image processing, etc.

#### **Award of Degrees:**

On completion of the four years programme, students admitted in BS(ETE) and BS(ECE) are awarded with two degrees respectively, as described below:

- B.Eng (Hons) Communication Systems with Electronics from Lancaster University
- BS Electrical (Telecommunication) Engineering from COMSATS Institute of Information Technology, and
- B. Eng (Hons) Computer Systems Engineering from Lancaster University

- BS Electrical (Computer) Engineering from COMSATS Institute of Information Technology

Eligibility Criteria and Program Structure	
Eligibility	<ul style="list-style-type: none"> <li>• F.Sc (Pre-Engg)/ICS/A-Levels or equivalent with minimum 60% marks.</li> <li>• IELTS with a minimum of 5.5 Band (to be acquired within first year of study period)</li> </ul>
Session	Fall and Spring
Semesters	8
Number of Years	Four Years
Credit Hours	135-138
Minimum CGPA required for degree completion	2.0
Campus Offering	CIIT Lahore



## **Faculty of Dual Degree Program:**

- Dr. Imran Haider Naqvi, Program Coordinator, PhD (Human Resource & Management), NUML, Islamabad
- Dr. Ali Hassan, PhD (Computing), Queen Mary University, UK
- Dr. Ejaz Ahmad Ansari, PhD (Electronics), Asian Institute of Technology, Bangkok, Thailand
- Dr. Usman Saeed, PhD (Computing), Telecom Paris Tech (ENST), France
- Dr. Fasihullah, PhD (Islamic Studies), Islamic University of Bhawalpur
- Dr. Muhammad Hussain, PhD (Mathematics), GC University, Lahore
- Dr. Ejaz Mughal, PhD (Physics)
- Dr. Hani Shaker, PhD (Mathematics), GC University, Lahore
- Dr. Waqar Akram, PhD (Economics), University of Sargodha
- Yasser Majeed Siddiqi, MSc (Engineering), Kinpoe, Karachi

Besides five facility members are also working under DDP.



## **Contact details:**

### **Administration**

#### **Program Director**

**Dr. Muhammad Ahmad Farooqui**  
Phone (Off): 042-35340981-2  
Email: faroo@ciitlahore.edu.pk

#### **Program Coordinator**

**Dr. Imran Haider Naqvi**  
Phone (Off): 042-35340981-2 Ext:107  
Email: drimranhaider@ciitlahore.edu.pk

#### **Assistant Manager (Marketing)**

**Mr. Asad Saleem**  
Phone (Off): 042-35340981-102  
Email: asaleem@ciitlahore.edu.pk

#### **Coordination Officer (Director Office)**

**Mr. Adeel ur Rehman**  
Phone (Off): 042-35340981-2 Ext:108  
Email: adeelrehman@ciitlahore.edu.pk

#### **Assistant Registrar (Academic)**

**Mr. Ghulam Jillani**  
Phone (Off): 042-35340981-2 Ext:114  
Email: ghulamjilani@ciitlahore.edu.pk

#### **Coordination Officer (Academic)**

**Mr. Muhammad Arif**  
Phone (Off): 042-35340981-2 Ext:114  
Email: marif@ciitlahore.edu.pk

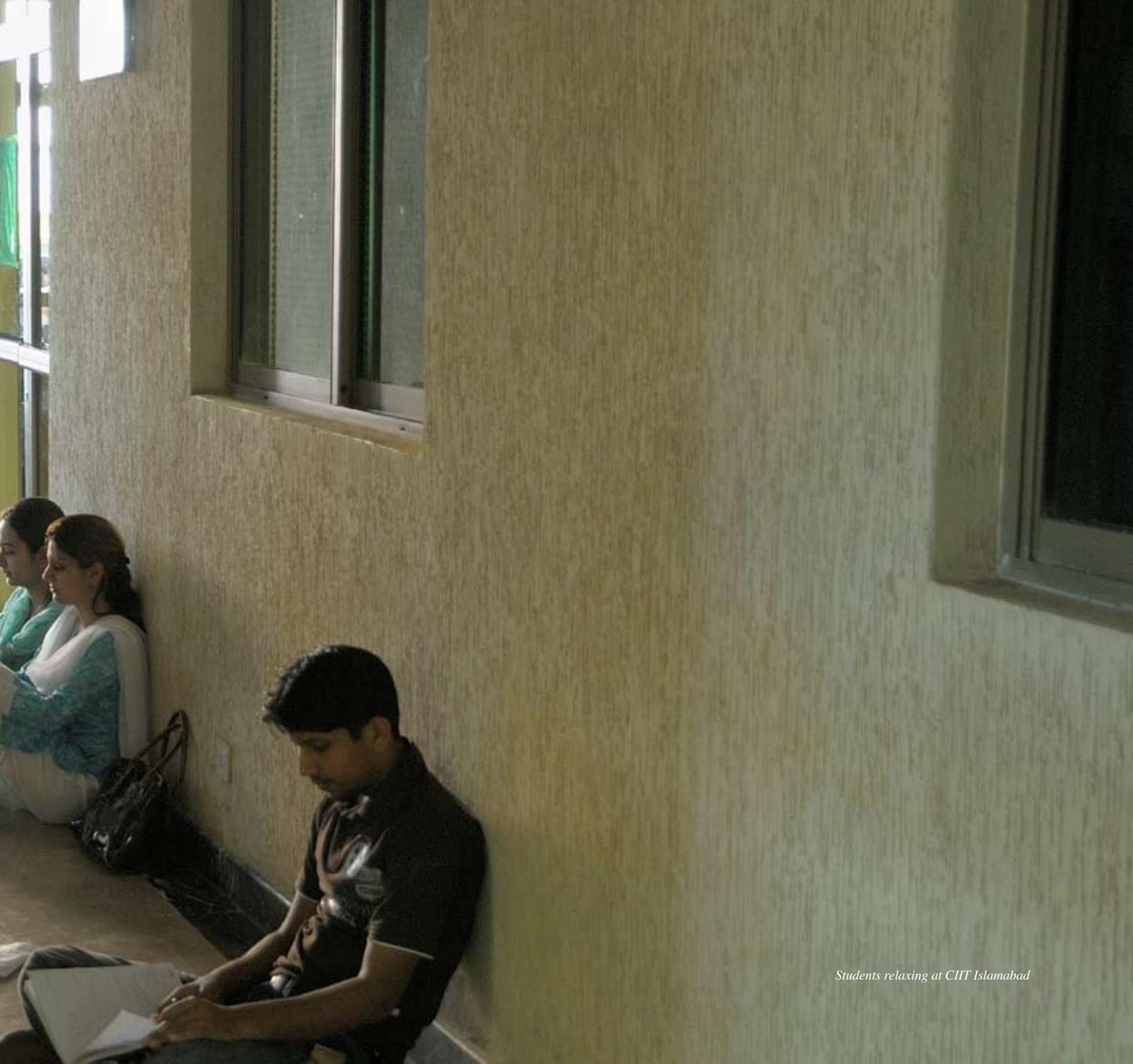
#### **Assistant Controller Examination**

**Mr. Muhammad Tauseef Anwar**  
Phone (Off): 042-35340981-2 Ext:110  
Email: mtauseefanwar@ciitlahore.edu.pk



*The Prime Minister of Britain on a visit to CIIT on April 05, 2011*





*Students relaxing at CIIT Islamabad*



*A glimpse of Admission Office*

# Admissions

## Chapter 4

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

### Application Procedure

- Applications are made in response to the admission notices in the press.
- Admissions are conducted according to an admission schedule, which is prominently displayed in these admissions notices.
- A prospectus may be purchased from any CIIT campus, but Admission Forms must be submitted at the campus where admission is being sought.
- Candidates must check the eligibility criteria before submitting their application forms to confirm that they are academically eligible for the program of their choice.
- If a candidate fulfils the prescribed eligibility criteria, he/she may apply for admission to a degree program by following the below mentioned procedure:
  - Fill the Admission Form (given in the prospectus). Candidate may mention three program preferences for admission on one form.
  - In case the final result of previous examination is awaited, then provision of a “Hope Certificate” from the college last attended can provide the basis for a conditional offer of admission at CIIT. The

offer is confirmed once the final result is declared and eligibility criteria are fully met. A specimen of a ‘Hope Certificate’ is provided in the prospectus.

- Submit the admission form and ‘Hope Certificate’/ affidavits (if applicable) in the admission office of the campus, where admission is being sought.

Application form must be submitted by the last due date for submission of form. Late entries can not be entertained.

### Entrance Test

Admission to CIIT is determined by a combination of factors one of which is the Entrance Test combined with the weighted marks earned in the previous public examinations. The Entrance Test is conducted by the National Testing Service (NTS). For further information about the NTS and its testing procedure, candidates can seek assistance from the NTS website [www.nts.org.pk](http://www.nts.org.pk). In addition, the CIIT Admissions Offices also provide information in this regard.

After the last date of submission of Admission Forms, entrance tests will be conducted by NTS according to the admission schedule OR on a given date (for NAT) as notified by NTS through their website and the print media. All admissions shall be regulated on the basis of merit determined by combining the weighted marks obtained in the entrance test with the weighted marks earned in the previous public examinations, as mentioned above. The weightage criteria for the undergraduate and Masters' degree programs shall be as given below:

Degree Programs	Percentage Weightage
For Undergraduate Degrees	
Matric or equivalent	10%
Intermediate or equivalent	40%
NTS Test	50%
For Master Degree: (MCS & MDS)	
Matric or equivalent	10%
Intermediate or equivalent	15%
Bachelor or equivalent	30%
NTS Test	45%
Note: For DDP students an IELTS score of at least 5.5 band is also required within first year of admission	

The additional admission criterion for B.Arch & B.Des is as below:

- 30% weightage of General merit (including matric, intermediate and NTS score)
- 50% weightage of Drawing Test
- 20% weightage of Interview

### Merit List

A list of provisionally selected candidates is displayed on specified dates on the campus notice boards as well as on the CIIT website.

The Admissions Office will display the lists of applicants selected for admissions on the CIIT's website. However, applicants are urged to make a pro-active effort to know the status of their application for admission by either visiting the concerned campus or CIIT's website.

### Interview

Provisionally selected 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.

### Verification of Documents

Selected 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 (if applicable).
- 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. These must be attested from the back of the photograph. Also the name, guardian's name, and program applied for should be clearly printed on the back of the photographs.

## **Admission Offer Letter & Challan Form**

After verification of the documents, applicants will be issued “Admission Offer” letter along with a Bank Challan Form for payment of dues.

## **Provisional Admissions**

Candidates may apply for provisional admission if they have already taken the examination of the qualifying degree but have to receive their result. These applicants must submit a Hope Certificate/Affidavit along with duly filled Admission Form. However, applicants who are provisionally admitted must ensure that their results are received in the campus office within 20 teaching days after the commencement of the semester; otherwise their admission will be cancelled.

## **Confirmation of Admission**

Selected candidates are required to confirm their acceptance by paying the non-refundable admission and tuition fee within the specified dates. Admission process will only be completed after the payment of fee is confirmed. 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.

## **Special Seats**

### **Special Quota**

Admissions are offered on the basis of special quota in Islamabad, Wah, Lahore, Abbottabad and Attock Campuses of CIIT, subject to the fulfilment of eligibility criteria for admission into various degree programs:

- 30% seats are reserved in each discipline for the children of Punjab workers welfare board at Lahore campus (Except Dual Degree Program).
- 5% seats are reserved for the students of FATA and Baluchistan under the HEC fully funded scholarship scheme “Opportunities of Higher education for the students from FATA & Baluchistan”.
- A total of 25 Seats are reserved as five each at Islamabad, Lahore, Abbottabad and Wah for the students from Gilgit Baltistan.
- There are few seats reserved for the children of Army personals at Abbottabad campus.

Detailed information in this regard may be obtained from respective campuses.

### **Sports Quota**

In compliance with the Government’s directive two percent seats in each discipline are allocated on the basis of sports, for admissions in all campuses of CIIT. To avail a seat on the Sports Quota, a prospective student must submit an application detailing achievements in sports, supported by relevant documents, along with the Admission Form.

Only those candidates can apply under this quota who fulfil the eligibility criteria for the particular program to which they are considering to apply.

## **Students with Disabilities**

As per policy, CIIT considers applications entirely on academic basis and welcomes applications from all who are academically qualified. Prospective students who have a hidden or visible disability are requested to bring this into the notice of the Admission Officer and to seek advice about suitability of facilities offered by CIIT to their particulars needs. This would enable the applicant to make an informed decision about the feasibility of studying at a CIIT campus.

## **International Students**

CIIT welcomes international applicants for admission to its various degree programs. For this purpose special seats have been reserved for foreign students in each discipline at Islamabad campus. Currently foreign students from countries like Syria, Iran, ASEAN countries, Afghanistan, Indian part of Kashmir etc are enrolled in different degree programs of CIIT.

Concrete efforts are also being made by CIIT to attract foreign students for admissions in CIIT for different undergraduate and graduate degree programs. e.g.: from Middle East and Gulf Regions. So to support such efforts, CIIT participates at various International Education Expos.

Since the medium of instruction at CIIT is English, intending foreign students must show sound knowledge of written as well as spoken English. The academic credentials of the foreign students will be examined by the Admission Office to ascertain if they meet Institute's entrance requirements for the selected degree program. If so, provisional admission will be offered subject to clearance from the Ministry of Education, Government of Pakistan. International students can arrange for clearance either through their respective Embassy in Pakistan or with the help of the Admissions Office at CIIT.

Applicants may find that their qualifications are not necessarily recognizable by CIIT because of differences in educational systems of different countries. Therefore, in addition to transcripts of their latest academic qualifications, they must also submit an equivalence certificate obtained from the Inter Board Committee of Chairmen (IBCC) while applying for admission. The office of the IBBC is located in the building of Federal Board of Intermediate & Secondary Education, Sector H-8/4, Islamabad, Tel: 051-9235017.

The foreign students after getting admission in CIIT need to follow guidelines as provided by HEC for issuance/renewal of visa for admission in different academic programs as well. The details of such procedures can be obtained from the HEC website by clicking the link [http://www.hec.gov.pk/new/AcademicAffairs/Foreign\\_Students\\_Admission.htm](http://www.hec.gov.pk/new/AcademicAffairs/Foreign_Students_Admission.htm)





*DDP students engrossed in studies*

## Scholarships

CIIT follows a well spelt-out modus operandi to provide financial assistance to students who are good in studies but are handicapped due to financial constraints. A special fund is allocated to cater to the needs of the deserving students. For this purpose Financial Assistance Committees operate on all campuses to look into such cases. The different arrays of facilities which are provided under the monetary assistance program are briefly discussed below:

### a) Financial Assistance

Financial assistance is provided to students on need-cum-merit basis. The students who are in good academic standing and have demonstrated financial problems are eligible for financial assistance. Financial assistance is provided to the students after the first semester. At least 80% attendance is mandatory in all the registered courses and no disciplinary action or proceedings should be in progress or pending against the student at the time of application for financial assistance.

### b) Qarz-i-Hasna

It is a loan facility recoverable within two years without any interest. It is granted to the students of 2nd semester and onwards. Only those students are eligible who in good academic standing with at least 80% class attendance and no disciplinary problems, and are in need of proven financial help.

### c) Kinship/Siblings Concession

When two siblings are concurrently students of CIIT, 50% tuition fee concession to one sibling is admissible provided both maintain good academic standing and are not in receipt of any other concession/scholarship, etc.

### d) Taleem Fund

All the employees of CIIT contribute 1% of gross salary in addition to the 2 % contributed by CIIT towards Taleem Fund. This fund is distributed in students on need-cum merit basis in every semester as Financial Assistance to meet their tuition fee expenses. The student has to apply through his/her department and after giving interview to the Taleem Fund Committee he/she gets a full or partial waiver in the tuition fee, on need-cum-merit basis.

### e) Academic Excellence Incentives

To improve the quality of the students, who are admitted at CIIT, the Board of Governors of CIIT has approved the following incentives for the fresh/enrolled students:

1. A 100% tuition fee waiver for the students admitted in each undergraduate degree program, which is among the top 10 position holders in their respective board examinations. This concession will be admissible in the first semester, and may continue in subsequent semesters if a CGPA of 3.50/4.00 is maintained.
2. A 75% tuition fee waiver for the top 5% students admitted in each undergraduate degree program, who obtain top positions in the overall merit of all the admitted students, determined on the basis of Board exams and NTS test, which in no case should be below 75%. This concession will be admissible in the first semester, and may continue in subsequent semesters if a CGPA of 3.25/4.00 is maintained.
3. A 50% tuition fee waiver for the top 5% students admitted in each undergraduate degree program, who obtain top positions in the overall merit of all the admitted students, determined on the basis of Board exams and NTS test, which in no case should be below 60%. This concession will be

admissible in the first semester, and may continue in subsequent semesters if a CGPA of 3.00/4.00 is maintained.

**f) Campus Level Financial Assistance:**

On different campuses certain incentive schemes are also available for specified categories, who are given fee concessions. In certain cases the fee concession is as much as 100%, like the industrial worker's children who are nominated by the Punjab Workers Welfare Board and who meet the eligibility and admission criteria of the Lahore campus.

**HEC** Fully funded scholarships are available as reserved seats for the students from FATA & Baluchistan. Details of such scholarships may be obtained from HEC website.

**CIIT** offers Twenty Five Scholarships equal to the tuition fee for the students from Gilgit – Baltistan. These Scholarships are offered at Islamabad, Abbotabad, Wah and Lahore campuses.

Further details of Campus Level Financial Assistance/ Scholarships are available at each CIIT campus admission office. However, each campus may have scholarship schemes that are unique to it, and may not necessarily be applicable to all CIIT campuses. Prospective Students are therefore encouraged to find out from the Campus of their choice which types of scholarships it has on offer.



## CIIT Academic Calendar for Year 2011-2012

**FALL 2011**

Sr. No.	Event / Activity	Day	Date
1.	Orientation & Commencement of new classes	Monday	Sep 05, 2011
2.	Last date of Add/Drop courses	Friday	Sep 09, 2011
3.	1 <sup>st</sup> Sessional Exams	Monday-Friday	Oct 10-14, 2011
4.	Last Date for submission of 1 <sup>st</sup> Sessional result	Friday	Oct 21, 2011
5.	Last date for Withdrawal of courses/semester	Monday	Oct 24, 2011
6.	Eid-ul-Azha*	Monday-Tuesday	Nov 07-08, 2011
7.	Iqbal Day	Wednesday	Nov 09, 2011
8.	2 <sup>nd</sup> Sessional Exams	Monday-Friday	Nov 28-Dec 02, 2011
9.	Muharram – Ul – Haram Holidays*	Wed – Thursday	Dec 07-08, 2011
10.	Last date for submission of 2 <sup>nd</sup> Sessional results	Friday	Dec 09, 2011
11.	Students Week	Monday – Friday	Dec 12-16, 2011
12.	Submission of Final year Project/Internship reports	Saturday	Dec 31, 2011
13.	Last day for Classes/Last Date for attendance Lock	Friday	Jan 06, 2012
14.	Display of Final attendance sheet / Admission slip for Terminal Exams	Monday	Jan 09, 2012
15.	Terminal Examinations	Wed – Friday	Jan 11-20, 2012
16.	Last date for Submission of Terminal Exam Result: a. Without Labs b. With Labs	Friday Monday	Jan 27, 2012 Jan 30, 2012
17.	Declaration of Results	Wednesday	Feb 01, 2012
18.	Conferment of Degree Fall Semester	Thursday	March 15, 2012

## SPRING 2012

Sr. No.	Event / Activity	Day	Date
1.	Orientation & Commencement of new classes	Monday	Feb 06, 2012
2.	Last date of Add/Drop courses	Monday	Feb 10, 2012
3.	1 <sup>st</sup> Sessional Exams	Monday – Friday	Mar 12-16, 2012
4.	Pakistan Day	Friday	March 23, 2012
5.	Last Date for submission of 1 <sup>st</sup> Sessional result	Monday	March 26, 2012
6.	Last date for Withdrawal of courses/semester	Tuesday	March 27, 2012
7.	2 <sup>nd</sup> Sessional Exams	Monday – Friday	April 23-27, 2012
8.	Students Week	Monday – Friday	April 30 to May 04, 2012
9.	Last date for submission of 2 <sup>nd</sup> Sessional results	Friday	May 04, 2012
10.	Submission of Final year Project	Friday	May 25, 2012
11.	Last day for Classes/Last Date for attendance Lock	Friday	June 01, 2012
12.	Display of Final attendance sheet / Admission slip for Terminal Exams	Monday	June 04, 2012
13.	Terminal Examinations	Wed - Friday	June 06-15, 2012
14.	Last date for Submission of Terminal Exam Result: a. Without Labs b. With Labs	Friday Monday	June 22, 2012 June 25, 2012
15.	Declaration of Results	Friday	June 29, 2012
16.	Conferment of Degree Spring Semester	Saturday	Sep 15, 2012
17.	Convocation (all Campuses)	Saturday	1 <sup>st</sup> Week of Oct, 2012
* Subject to appearance of Moon.			

The Semester Schedule may be revised / changed by CIIT.

## 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, Hasanaabdal 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. On reaching Taxilla, turn right and move towards Jinnah gate. On crossing the gate, drive further for 1 km in the Wah Cantt, where CIIT campus is situated on left side of the road.

### CIIT Lahore

Starting from Islamabad follow motorway route to Lahore. On reaching Lahore take Canal road i.e. near to Tokhar Niaz Baig chowk. From the round about turn towards the Rawind

road, at the end of the road, turn on right for Defence road on which the Lahore CIIT campus is situated.

### CIIT Attock

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

### CIIT Sahiwal

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

### CIIT Vehari

- From Multan, take the Multan road to reach Vehari campus located at the right turning of Malisi Road near adda Pir Murad.
- From Bhooraywala, take the bhooraywala road to reach "V" chowk, and from there gear on to Multan road, cross the city and reach adda Pir Murad, take left to Malisi Road and after few yards of railway crossing, the new built campus is situated.

## Admission Office Contacts

Following admission offices may be contacted for any admission inquiry:

### CIIT Principal Seat

Mr. Waqas Afridi  
Assistant Registrar (General)  
Phone (Off): 051-9258225  
Fax (Off.): 051-9258224  
E-mail: waqas.afridi@comsats.edu.pk

### CIIT Islamabad

Mr. Muhammad Ali Chaudhary  
In Charge (Admissions)  
Phone (Off): 051-8318470-1  
E-mail: alich@comsats.edu.pk

### CIIT Abbottabad

Ms. Saadia Munir  
In Charge (Student Affairs)  
Phone (Off): 0992-383591~6  
Fax (Off.): 0992-383441  
E-mail: saadia@ciit.net.pk

### CIIT Lahore

Mr. Rashid Najeeb  
Incharge Students Affairs  
Phone (Off): 042-111001007  
Fax (Off.): 042-9203100  
E-mail: rnajeeb@ciitlahore.edu.pk

### CIIT Wah

Mrs. Fatima Ejaz Malik  
In charge (Admissions)  
Phone (Off): 051-9272614-5, 9274056, 9314371  
Fax (Off.): 051-4546850

### CIIT Attock

Mr. Subhan ullah  
In Charge (Admissions)  
Phone (Off): 057-9316330 Ext: 111  
Fax (Off.): 057-9316329  
E-mail: subhan\_ullah@comsats.edu.pk

### CIIT Sahiwal

Mr. Rana Adeel Abad  
In Charge (Admissions)  
Phone (Off.): 040-9200100  
Fax (Off): 040-9200102  
E-mail: adeel\_abad@comsats.edu.pk

### CIIT Vehari

Mr. Yasir Ikram  
In Charge (Admissions)  
Phone (Off.): 067-3001606  
E-mail: yikram@comsats.edu.pk,  
admission@ciitvehari.edu.pk

# Contacts

## Principal Seat

### Rector

Dr. S.M. Junaid Zaidi (S.I.)

Phone (Off): 051-9247005

Fax (Off.): 051-9247006

E-mail: [rector@comsats.edu.pk](mailto:rector@comsats.edu.pk)

### Registrar

Dr. Arshad S. Malik

Phone (Off): 051-9258225

Fax (Off.): 051-9258224

E-mail: [registrar@comsats.edu.pk](mailto:registrar@comsats.edu.pk)

### Director of External Campuses

Dr. Haroon Rashid

Phone (Off): 051-9101108

Fax (Off.): 051-9258480

E-mail: [haroon@comsats.edu.pk](mailto:haroon@comsats.edu.pk)

### Controller of Examination

Mr. Muhamamd Sohail Ghani

Phone (Off): 051 051-9247000 Ext: 03

Fax (Off.): 051-9247006

E-mail: [sgw@comsats.edu.pk](mailto:sgw@comsats.edu.pk)

### Treasurer

Mr. Ahmed Javed Jafri

Phone (Off): 051 9258489

Fax (Off.): 051 9258486

E-mail: [treasurer@comsats.edu.pk](mailto:treasurer@comsats.edu.pk)

Director, Planning, Development & Human Resource Development

Mr. Tahir Naeem

Phone (Off): 051 9250690

Fax (Off.): 051 4442805

E-mail: [tnaeem@comsats.edu.pk](mailto:tnaeem@comsats.edu.pk)

Dean of Research, Innovation and Commercialization (DoRIC)

Prof. Dr. Raheel Qamar (T.I)

Phone (Off): 051-9247000-3

E-mail: [raheel\\_qamar@comsats.edu.pk](mailto:raheel_qamar@comsats.edu.pk)

Advisor, Quality Enhancement Cell

Mr. Sarfraz Pirzada

Phone (Off): 051 9101782

Fax (Off.): 051-9101784

E-mail: [spirzada@comsats.edu.pk](mailto:spirzada@comsats.edu.pk)

Additional Registrar

Engr. Niaz Ahmed Khashkheli

Phone (Off): 051-9258225

Fax (Off.): 051-9258224

E-mail: [nahmed@comsats.edu.pk](mailto:nahmed@comsats.edu.pk)

Senior Program Manager (Rector Secretariat)

Mr. Ali Tawab Baloch

Phone (Off): 51-9247000-9247003 Ext: 273

UAN: +92-51-111-001-007

Fax: +92-51-9247006

E-mail: [alitawab@comsats.edu.pk](mailto:alitawab@comsats.edu.pk)

## Islamabad Campus

### Administration

Advisor (Admin)

Brig. (Retd.) Muhammad Rafi Butt, S.I. (M)

Phone (Off): 051-9247000-3 Ext. 274

Fax (Off.): 92-51-9247006

E-mail: rafi\_butts@cosmats.edu.pk

Provost Islamabad Campus

Dr. Ataullah Kalim

Phone (Off): 051-9247005 Ext: 275

Fax (Off.): 051-9247006

E-mail: daukalim@comsats.edu.pk

Additional Registrar (Academics)

Mr. Nadeem udin Qureshi

Phone (Off): 051-9247000-3 Ext. 234

Fax (Off.): 92-51-9247006

E-mail: qureshi@comsats.edu.pk

### Academics

Dean, Faculty of Sciences

Prof. Dr. Arshad Saleem Bhatti

Phone (Off): 051-9247000-3 Ext. 210

Fax (Off.): 92-51-9247006

E-mail: asbhatti@comsats.edu.pk

Dean, Faculty of Engineering

Prof. Dr. Shahid A. Khan

Phone (Off): 051-9247000-3 Ext. 303

Fax (Off.): 92-51-9247006

E-mail: shahidk@cosmats.edu.pk

Dean, Faculty of Information Sciences & Technology

Dr. Sajjad Mohsin

Phone (Off): 051-9247000-3 Ext. 303

Fax (Off.): 92-51-9247006

E-mail: smohsin@comsats.edu.pk

## Abbottabad Campus

Director

Prof. Dr. Khan Gul Jadoon

Phone (Off): 0992 383591~6

Fax (Off.): 0992 383441

E-mail: dgjadoon@ciit.net.pk

### Administration

Additional Registrar

Dr. Iqtidar Ali Shah

Phone (Off): 0992 383591~6

Fax (Off.): 0992 383441

E-mail: iqtidar@ciit.net.pk

General Manager (Administration)

Engr. Nazir Ahmad Khalil

Phone (Off): 0992 383591~6

Fax (Off.): 0992 383441

E-mail: nakhalil@ciit.net.pk

### Academics

Dean, Faculty of Business Administration

Prof. Dr. Syed Amjad Farid Hasnu

Phone (Off): 0992 383591-6

Fax (Off.): 0992 383441

E-mail: hasnu@ciit.net.pk

## CIIT Wah Campus

Director

Prof. Dr. Tayyab Akram

Phone (Off): 051- 9272614~5, 9314382-3

Fax: 051 4546850

E-mail: dirwah@comsats.edu.pk

## **Administration**

### **Deputy Registrar**

Mr. Jawwad Ahmad  
Phone (Off): 051- 9272614~5, 9314382-3  
Fax: 051 4546850  
E-mail: jawwad\_ahmad@comsats.edu.pk

### **Attock Campus**

Director Attock  
Dr. Sherzada Khan  
Phone (Off): 057 93163327  
Fax (Off.): 057 9316329  
E-mail: sherzada@comsats.edu.pk

### **Administration**

Assistant Registrar  
Mr. Malik Saleem Khan  
Phone (Off): 057 9316330~1  
Fax (Off.): 057 9316329  
E-mail: saleem\_khan@comsats.edu.pk

### **Lahore Campus**

Director Lahore  
Prof. Dr. Mahmood Ahmad Bodla  
Phone (Off): 042 9203101, 5321090  
Fax (Off.): 042 9203100  
E-mail: director@ciitlahore.edu.pk

### **Administration**

Advisor (Admin)  
Sheikh Muhammad Hanif  
Phone (Off): 042 9203101, 5321090  
Fax (Off.): 042 9203100  
E-mail: smhanif@ciitlahore.edu.pk

## **Deputy Registrar**

Mr. Rashid Ahmad Khan  
Phone (Off): 042 9203101, 5321090  
Fax (Off.): 042 9203100  
E-mail: rakhan@ciitlahore.edu.pk

### **Sahiwal Campus**

Director  
Dr. Abdul Waheed  
Phone (Off): 067-3362774  
Fax (Off.): 067-3365774  
E-mail: director@ciitsahiwal.edu.pk

### **Administration**

Assistant Registrar  
Mr. Rana Adeel Abad  
Phone (Off.): 040-9200100  
Fax (Off): 040-9200102  
E-mail: adeel\_abad@comsats.edu.pk

### **Vehari Campus**

Director  
Dr. Moin-ud-Din Ghauri  
Phone (Off): 067-3001606  
Fax (Off.): 067-3365774  
E-mail: director@ciitvehari.edu.pk

### **Administration**

Program Officer  
Mr. Yasir Ikram  
Phone (Off): 067-3001606  
Fax (Off.): 067-3365774  
E-mail: yikram@comsats.edu.pk