

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِيْمِ



GREETINGS FROM THE RECTOR



It is my privilege to address you as you go through our undergraduate prospectus and hope that you will seriously consider becoming a part of CIIT as a student and take up your studies with our institution. If you decide to join us, I am confident that you will take pride to be a part of this system. Indeed this institution which offers undergraduate, graduate and postgraduate programs.

Since its establishment in the year 2000, as an independent degree awarding institution, CIIT has been at the fore front of innovations and played pro-active role in meeting the modern day challenges to higher education of international standards. CIIT has been marching forward, with commitment of excellence in teaching and research.

We take immense pride in being one of the top ranking intuition in Pakistan. We promote a culture of creating knowledge, which means you will learn from distinguished faculty. There are 250 PhDs on our regular faculty roll. We also invite visiting Professors from various prestigious universities, colleges, research organizations and international agencies to deliver lectures. Your CIIT education will equip you with the necessary knowledge to achieve great success. Our commitment to the advancement of knowledge and our remarkable achievements in research is evidence of our success as an institution of repute.

Each year we welcome thousands of students from different economic and social backgrounds. Each student is unique with a particular package of culture, gender and experience. We treat every one as an individual and try to ensure that all students have a rewarding experience of higher education. I personally extend an invitation to you to visit us at any of our campus and experience the difference that opens mind and unleashes hidden talents and energies. Needless to say the future and destiny of Pakistan is its bright and energetic youth. CIIT is all about its motto: "Making a difference"

We welcome you on your journey towards new opportunities to fulfill your professional dreams.

With Best Wishes,

Dr. S.M. Junaid Zaidi (SI)
Rector CIIT

Contents

INTRODUCTION				
● Welcome to CIIT	07	● Learning Enhancing Activities	49	
● Mission	09	● Senior Faculty Members	49	
● Future Plans	10			
● Administrative Structure	11	Faculty of Engineering	50	
● WHY COMSATS	12	Department of Electrical Engineering	50	
● Degree Awarding Institute (DAI)	13	● Academic Programs	50	
● Excellence and the HEC Ranking	13	● Learning Enhancing Activities	53	
● Accreditation of Engineering Programs	13	● Senior Faculty Members	53	
● Faculty Distinction	14	Department of Chemical Engineering	58	
● Faculty Development	14	● Academic Programs	58	
● Essence of Being a Student at COMSATS	15	● Senior Faculty Members	59	
● Research Output	15			
● Excellent Resources	16	Department of Mechanical Engineering	60	
● Fast Paced Development and Achievements	16	● Learning Enhancing Activities	60	
● International and National Linkages (MOUs)	18	● Senior Faculty Members	60	
● Centre for Quantum Physics (CQP)	20	Faculty of Information Sciences & Technology	61	
● Centre for Advance Studies in	21	Department of Computer Sciences	61	
Telecommunicaiton (CAST)	21	● Academic Programs	61	
● Interdisciplinary Research Centre in Biomedical	22	● Learning Enhancing Activities	63	
Materials (IRCBM)	23	● Senior Faculty Members	64	
● Quality Enhancement Cell	24	Faculty of Science	69	
● International Liaison Office	24	Department of Biosciences	69	
● Career Development Cell	25	● Academic Programs	70	
		● Senior Faculty Members	72	
ACADEMICS				
● Directorate of Academics	27	Department of Chemistry	73	
● Faculties and Department	27	● Senior Faculty Members	73	
● Academic Programs	28			
Faculty of Architecture & Design				
Department of Architecture	29	Department of Environmental Sciences	74	
● Academic Programs	29	● Academic Programs	74	
Department of Design	33	● Learning Enhancing Activities	75	
● Academic Programs	33	● Senior Faculty Members	76	
● Senior Faculty Members	34	Department of Mathematics	77	
(Department of Architeture and Department of Design)	34	● Academic Programs	77	
		● Senior Faculty Members	78	
Faculty of Business Administration				
Department of Management Sciences	36	Department of Meteorology	82	
● Academic Programs	36	● Learning Enhancing Activities	82	
● Learning Enhancing Activities	36	● Academic Programs	82	
● Senior Faculty Members	40	● Senior Faculty Members	85	
Department of Development Studies	41			
● Academic Programs	41	Department of Pharmacy	86	
		● Academic Programs	86	
		● Senior Faculty Members	88	

Department of Physics	89	Extra Curricular Activities	122
● Academic Programs	89	Graduating Students	122
● Senior Faculty Members	90		
CAMPUSES	93		
Islamabad	95		
● Introduction	95	Introduction	123
● Academic Programs	95	Academic Programs	123
● Facilities	95	Facilities	125
● Extra Curricular Activities	96	Extra Curricular Activities	125
● Graduating Students	96	Graduating Students	126
Abbottabad	98		
● Introduction	99	ADMISSIONS	127
● Academic Programs	100	Application and Admission Process	129
● Facilities	100	How and When to Apply	129
● Extra Curricular Activities	101	Students with Disabilities	132
● Graduating Students	102	International Students	132
● Obtaining a University Place	102	Obtaining a University Place	133
Wah	105		
● Introduction	106	GETTING STARTED	135
● Academic Programs	107	Enrollment	137
● Facilities	107	Dates for Undergraduate	137
● Extra Curricular Activities	109	Pre-Arrival Suggestions	137
● Graduating Students	110	University card and Photo Submission	137
	110	Start of Session	137
	110	Induction	137
	110	Registration of Courses	138
	110	FAQs	138
Lahore	111		
● Introduction	111	PARENTS GUIDE	139
● Academic Programs	112	Our Reputation	141
● Facilities	112	Professional Development	141
● Extra Curricular Activities	115	Scholarships	141
● Graduating Students	115	Convocations	142
	115	Awards of Medals	144
	115	Smoking Policy	144
	115	Discipline	144
Attock	116		
● Introduction	116	REVIEWS FOR PROSPECTIVE STUDENTS	145
● Academic Programs	116	How CIIT Wishes its Students to Be	148
● Facilities	117	Current Students	149
● Extra Curricular Activities	119		
● Graduating Students	119	RULES & REGULATIONS	157
	119	Regulations Relating to Undergraduate	159
	119	Degree Programs	159
	120	Regulations Governing Students Discipline	164
Sahiwal	120		
● Introduction	120		
● Academic Programs	120	CIIT CONTACTS	167
● Facilities	122	CIIT Contacts	168



LIBRARY





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 was deemed essential. Approval for its establishment was given and CIIT became functional in April 1998. It 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 earlier 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 had to be affiliated with Sir Syed University of Engineering and Technology, Karachi. Admissions were opened and the faculty was hired side by side. Professional short courses were also introduced and it offered a fast track 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. With the ever growing strength of its students, the need to accommodate them in suitable place had become paramount. In the year 2000, the Sir Syed Memorial Complex centrally located in G-5 Sector Islamabad was hired. It was a basement for parking and an entire building had to be constructed by CIIT to make the space useful. Classrooms, library, laboratories and offices were built.

In less than a year, in August 2000, CIIT clinched another distinction when the government of Pakistan granted it the Charter that conferred on it the degree awarding status. The work on the expansion of the Sir Syed Campus had gained momentum with more laboratories being added and the library enlarged. The CIIT Solutions Software House was established, tasked with the function to achieve software

tasks and manage IT related solutions. Thus CIIT was involved in the development of software and other IT related development projects in both government and private sectors.

The earlier pioneering team comprised of 12-15 members that managed a plethora of educational and other tasks. As time went on another campus was hired in Shan Plaza, Blue Area, in 2001. It was named the City Campus. The Department of Computer Engineering was shifted there. The Department of Management Sciences too was established in Shan Plaza and the first intake of students was done. A number of laboratories started functioning in the City campus. They were the CISCO Lab, Microprocessor Lab, Electronic Lab, and Projects Lab. The CIIT Solutions was relocated there. Meanwhile construction work was fast progressing at H-8 campus where the Institute had to be eventually shifted. For this purpose, development grant of Rs. 37 million was obtained from the Government.

Wah and Abbottabad Campuses came up in 2001 and the Directors were appointed and charged to run those campuses. Lahore Campus followed; it opened in March 2002. In August 2002, City Campus at Blue Area and Sir Syed Campus at G-5 Sector were closed by moving all the departments to the new campus in H-8. In recent times. Attock Campus was established in April 2004. Within the initial years of its establishment, CIIT's latest course structure, state-of-the-art facilities and dedication to quality have made 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 in other cities such as Sahiwal and Vehari Campus which were established in 2006 and 2008 respectively. The forthcoming campus is in Gujrat for which land has already been earmarked and acquired.

With these modest beginnings, CIIT has placed itself in an enviable niche among the higher educational institutions of Pakistan. Today it offers Seven campuses, 5 faculties, 15 departments and more than 42 programs in a wide array

of disciplines to its current and prospective students. Its ranking in the Higher Education Commission's Research Assessment Exercise is exemplary, which places it in the top ten institutes of higher learning in Pakistan. A distinction CIIT is proud of and which propels it to bring more laurels, together with and for its students and the Pakistani society in general. CIIT is aware of its responsibilities and making every effort to keep its Academic excellence and Research at the top notch. It has inked various Memoranda of understandings for various educational and research purposes where its young faculty and students alike are benefitting at the world class universities. These efforts in turn benefit Pakistani society where a rich pool of its human resources is breeding to make the dreams come true, envisioned by the founding fathers of Pakistan and CIIT.

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 threefold:

- **Research And Discovery**

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

- **Teaching And Learning**

Share that knowledge, understanding, and creativity by providing a broad range of educational programs among a diverse community of teachers, and teach, 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 the education of a modern work force, research and development, 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

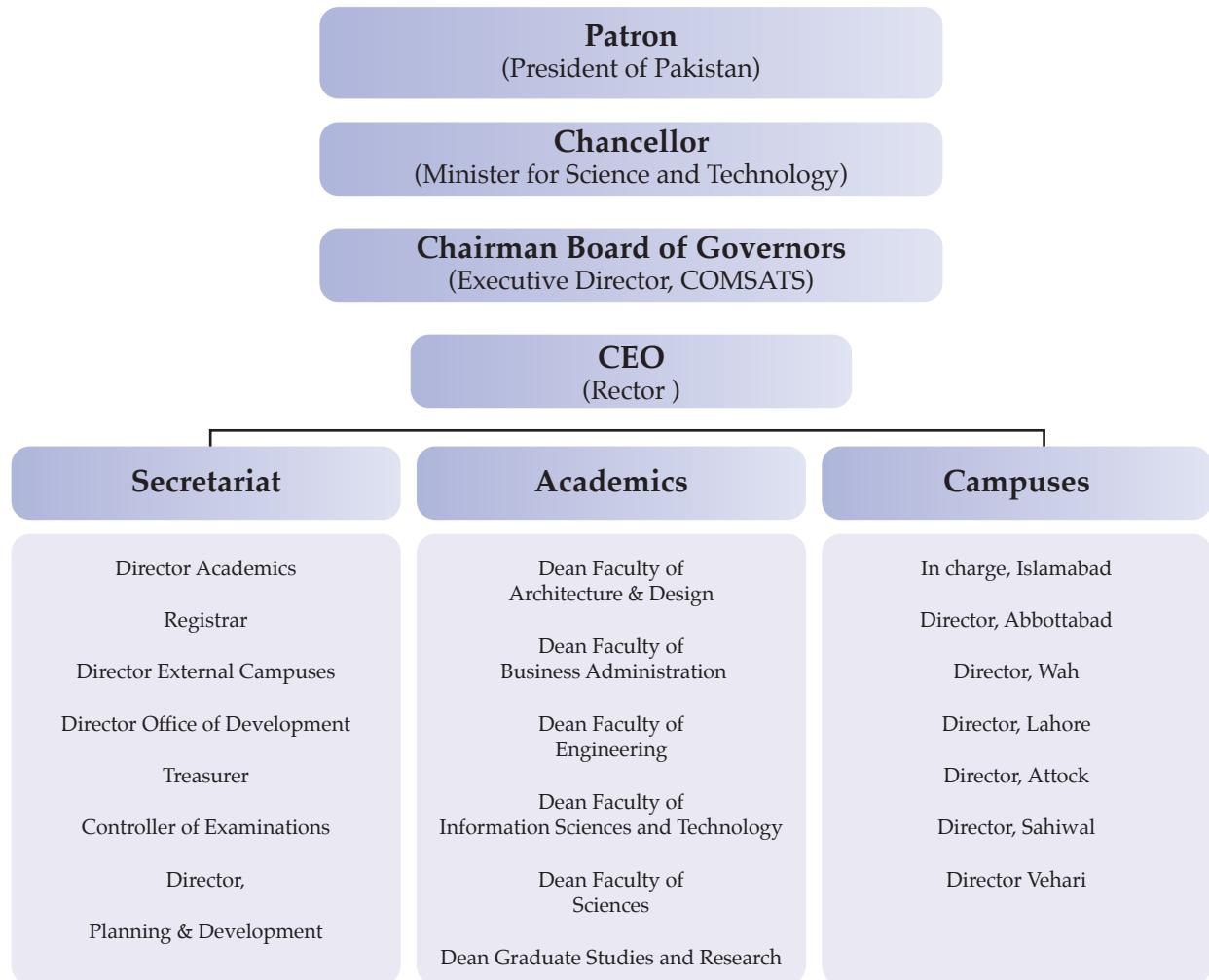
cooperation; that provides an atmosphere of mutual respect, free from discrimination and prejudice on any ground; that assists individuals, institutions, and communities in responding to a continuously changing world; that is conscious of and responsive to the needs of many communities it is committed to serve; 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.

Future Plans

The CIIT, besides its principal campus at Islamabad, has six other fully functional campuses at Abbottabad, Wah, Lahore, Attock and Sahiwal and Vehari while few more campuses at Gujrat, Toba Tek Singh, Quetta are in the advanced planning stages. On the advice of the Federal Government, efforts are also under way for opening up of a campus in the province of Sindh. The CIIT is planning to open an overseas campus in the Gulf region also.



ADMINISTRATIVE STRUCTURE



WHY COMSATS

Studying at any university can be both rewarding and challenging. At CIIT we want you to enjoy your subjects, gain experience in different ways of thinking and working and leave with the knowledge and skills to take control of your future. CIIT is a university where students aspire to take admissions. Highly competitive and not an easy place to fulfill the merit requirements and if admitted have to work really hard to achieve good results. CIIT does more than teach you facts. Problem-based learning develops your rational and analytical skills with classes that challenge your assumptions, refine your ideas and teach you to express those ideas powerfully. A leading university requires leading technology. At CIIT, you will learn in an environment supported by the latest tools of the trade.

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, 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 governed by the Board of Governors.

The CIIT is now slated for upgradation as a university by the name of 'COMSATS University' through an act of the parliament.

Excellence and the HEC Ranking

Rankings enhance the prestige of an institution and draw media interest. More importantly, the reputation of an institution plays an important role in attracting world-class professors as well as students. The implications of having top professors and students are manifold. Research funding from foundations depends largely on the quality of research output (and ultimately affects government funding, who use funded research as an indicator of research quality). Top professors not only attract funding; they attract students (student numbers also affect the amount of Funding received). Achievements of alumni depend in part on the quality of knowledge and training that they have received during their studies. Publishing in top-class journals also attracts attention of other researchers and hence citations, which are used in a number of ranking systems.

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, given its brief history.

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 during 2006.

In terms of research output, CIIT has been ranked at number 5 out of all the institutions of higher education numbering more than 124 in the country during 2005-2007, as notified by the HEC. In terms of research citations, the research

produced at CIIT has been ranked at number 2 in Pakistan, as verified by the Web of Science. CIIT has also been ranked at number 7 in research ranking of Universities on the basis of cumulative Impact Factor based on Institute of Scientific Information (ISI) web of knowledge (USA), as notified by HEC. The lists may be viewed at http://hec.gov.pk/QualityAssurance/Ranking_lists.html

Accreditation of Engineering Programs

Undergraduate Engineering degree programs of the CIIT have been accredited by the Pakistan Engineering Council (PEC), the accrediting body for engineering education in the country. Relevant information in this regard is available at the website of PEC.

Faculty Distinction

More than 220 faculty members and academic managers holding PhD qualification are currently serving the CIIT. Majority of the remaining have MS/M.Phil in the relevant fields. CIIT is proud to have outstanding faculty like Dr. Saleem Asghar and Dr. Aslam Noor who have been awarded Tamgha-e-Imtiaz and Pride of Performance by the Government of Pakistan recently.

Faculty Development

More than 345 faculty members are undergoing advanced education/training leading to MS and PhD degrees and post doctoral research in USA, UK, China, France, Sweden, Australia, Austria, Germany, Canada, Malaysia, Finland, Korea, Netherland etc. The funding for advanced education has come from CIIT scholarships and a few from self sponsorships. CIIT takes special interest in the faculty development. Seminars and workshops are held very often for this purpose.



Essence of Being a Student at COMSATS

Testing your limits, learning to think and respond at lightning speed, understanding both leadership and teamwork. CIIT teach lessons as vital as those learned in the classroom. You are always encouraged to ask questions which is a way to harness your analytical abilities. CIIT gives you the power to consider the world from different perspectives and to critically analyze many situations. The vibrant classroom discussions, teamwork and personal attention from the professors boosts your ability to communicate effectively and confidently. Teaching along with grooming of the students is also of prime significance. Education alone cannot transform a student into a good human being unless accompanied by proper training and infusing a spirit of hard work, sincerity and devotion. Teachers are imparting a sense of ethics in the students so that when the students face the real world after graduation are not confused about following the right path.

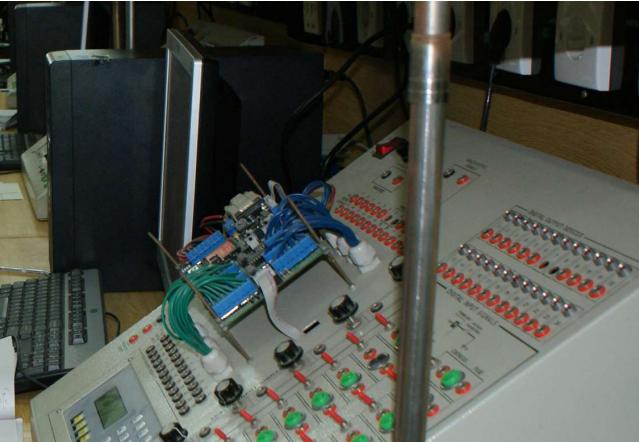
At CIIT student energies are channelized into positive vigour. CIIT is dedicated to providing the best possible undergraduate experience by focusing on you, the 'student'.

Whether you need help honing your study skills, techniques to manage stress or just a friendly person to talk to, CIIT's faculty is here to support you with open arms. By pursuing a CIIT degree, you will be building a solid foundation for the rest of your life. This prospectus will help you in understanding the facilities and the overall environment of CIIT so that when you join the university as a student, this all seems familiar to you.

Research Output

Faculty members are quite active in research in their respective fields and the total number of research articles published by them in impact factor International Journals are as follows:

Faculties	Research Articles
Faculty of Business Administration	41
Faculty of Engineering	36
Faculty of Information Sciences and Technology	34
Faculty of Science	425
Total	536



To further encourage the research environment at the institute, the CIIT management has also announced 'Cash Awards' for publications of research Articles by CIIT Employees i.e. Rs. 5,000 & Rs. 10,000 for research articles published in national & international journals respectively. The quality of research at CIIT is also reflected in the high level of funding we attract year after year from the HEC and the research councils. Much of the university's ground breaking research is achieved through its longstanding commitment to natural sciences and IT. It is our belief that the best education is delivered only when teaching excellence combines with first-rate research.

Excellent Resources

Our consistently high reputation in scientific subjects has ensured that we have an excellent infrastructure of laboratories and equipment and recent years have seen substantial investment. Similarly we invest heavily in our library with above average spending on books, journals, periodicals and videos. CIIT has right to use Digital library which makes it much easier for the students and the faculty to have direct access to all the search engines where one can find lots of information just a click away. CIIT is fully aware of the importance of libraries which serves as the fountain of knowledge.

Fast Paced Development and Achievements

● 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 approved curriculum. CIIT has established its Pakistan Chapter with an initial loan of more than Rs. 2 million at its premises.

- 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 which have become full-fledged programs / projects are:

- Launching of the Virtual University (2002)
- National Institute of Electronics (2002)
- ISESCO Center for promotion of Scientific Research (2004)

● National Testing Service

The National Testing Service was established in 2002, with the objective of 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 skill and human resource development. A few of these projects are:

- Training of 12,000 Data Entry Operators This project has helped develop a new market in Pakistan. Major concentrations of data entry operators are found in compilation of national registration, passports, land & revenue records, utility billing, and human development indexes.
- Medical Transcription Training (2,500) & Legal Transcription Training (2,000)
These two programs helped establish new and now thriving markets of medical and legal transcription in the country, primarily serving overseas clients.
- IT Training for 5,000 Federal Government Employees
The project provided training to Federal Government employees and has had a significant impact on their abilities to use computers in the workplace.
- Training of 18,000 School Teachers
CIIT collaborated with Intel (Pakistan) Limited to implement this project. It provided training to 18,000 teachers, male and female, from primary, secondary and high schools all over Pakistan. The training aimed at increasing usage of IT in teaching of all subjects. The project has generated further requests to repeat trainings in other developing countries.
- Training 1,000 Developers in Java Technology
Realizing the dictates of dot com transformation and demand for professionals who could take up the challenges of e-commerce, this project was implemented. The immediate absorption of the trainers/professionals in the job market had a multiplier effect in the sense that more and more private sector institutions are offering similar and advanced courses.
- Postgraduate Diplomas for Students from Balochistan
CIIT offered a one-year Post Graduate Diploma in IT for engineering and science graduates 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 very 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 various selected areas of IT. The areas were selected keeping in view their relevance to the national economy and mobilized the 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 following areas:

- 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

International and National Linkages (MOUs)

Working together as partners, disseminating information and sharing knowledge at the national and global levels are

the fundamental ethos of the institute. An emphasis has been given to networking with prestigious universities and organizations at the international and national levels.

List of International MOUs

S. No	Name of Institute
1	Berjaya University College of Hospitality, Kuala Lumpur, Malaysia
2	Southwestern University of Finance and Economics(SWUFE), China
3	Charles Sturt University, Australia
4	University of North Texas, USA
5	University of Western Sydney, Australia
6	University of Delaware, USA
7	Sumgayit State University, Azerbaijan
8	Otago University, Dunedin, New Zealand
9	Simon Fraser University, Canada
10	University of British Columbia Okanagan, Canada
11	University of Sheffield, UK
12	University of Bedfordshire, UK
13	Azerbaijan National Academy of Sciences, Azerbaijan
14	Swansea University, UK
15	Cardiff University, UK
16	Sungkyunkwan University, Seoul, South Korea
17	Lancaster University
18	Alma Mater Studiorum - University of Bologna (Italy)
19	Harbin Institute of Technology (HIT), China
20	Tongji University, China
21	Beijing Language and Culture University, China
22	Alliance Francaise, Islamabad (French Based)
23	Islamic University in Uganda (IUIU), Uganda
24	Queen Mary, University of London, U.K
25	Merseburg University of Applied Sciences, IBK, Germany
26	University of Illinois, Urbana-Champaign, USA
27	The University of Essex, Wivenhoe Park, Colchester Essex, CO4 3SQ, UK
28	The University of Hull, U.K
29	School of Management, University of Surrey, U.K
30	Population & Development Research Institute, Nankai University, China

31	University of Nebraska, U.S.A
32	University of Bradford, U.K
33	Joint Institute for Nuclear Research, Dubna, Russia
34	University of Glasgow, U.K
35	University of Sussex, U.K
36	University of Leicester, U.K
37	Tampere University of Technology (TUT), Finland
38	Helsinki University of Technology (TKK), Finland

List of National MoUs

S. No	Name of Institution/Organization
1.	A. Q. Khan Research Laboratories (KRL), Kahota
2.	Lasbela University of Agriculture, Water & Marine Sciences, Uthal
3.	Armed Forces Institute of Cardiology (AFIC), Rawalpindi
4.	Faculty of Engineering, Military College of Signals(MCS),NUST
5.	National Institute of Banking and Finance (NIBAF)
6.	Teralight (SMC-Pvt.) Limited
7.	Pakistan Institute of Nuclear Science and Technology (PINSTECH)
8.	Pakistan National Accreditation Council (PNAC)
9.	Pakistan Meteorological Department (PMD)
10.	Pakistan Council of Renewable Energy Technologies (PCRET)
11.	Pakistan Council of Scientific & Industrial Research (PCSIR)
12.	National Institute of Electronics (NIE)
13.	National Engineering and Scientific Commission (NESCOM)



Centre for Quantum Physics (CQP)

Quantum information theory and quantum computing represent an emerging interdisciplinary research frontier, which has seen a tremendous growth in recent years. Breakthrough such as realization of elementary quantum logic gates using ion traps, cavity QED and NMR technology, the introduction of error correcting and search algorithms, the practical implementation of quantum teleportation, etc have led to extremely rapid progress in this new and fascinating field and as a consequence has attracted the interest of many scientists from various disciplines. CIIT established a Centre for Quantum Physics with the help and support of the HEC and the COMSTECH. A joint agreement was signed between the CIIT and COMSTECH enabling CIIT to open its Centre of Quantum Physics in the former premises of COMSTECH on July 1, 2007.

Objectives

- To establish an entity for carrying out research in Quantum Physics
- To facilitate assimilation, absorption and transfer of scientific and technological knowledge and information to help accelerate economic progress
- To provide opportunities to young scientists for training / research in the field

- To encourage international cooperation in science and technology
- To initiate graduate studies and research program in Quantum Physics

Senior Faculty Members

Dr. Sajid Qamar

Associate Director, Centre for Quantum Physics
PhD (Physics) Quaid-e-Azam University, Islamabad

Dr. Manzoor Ikram

Associate Professor
PhD (Physics) Quaid-e-Azam University, Islamabad

Dr. Fazal Ghafoor

Assistant Professor
PhD (Physics) Quaid-e-Azam University, Islamabad

Dr. Faheel A. Hashmi

Assistant Professor
PhD, Université de Toulouse III

Dr. Ashfaq Hussain Khosa

Assistant Professor
PhD (Physics) Quaid-e-Azam University, Islamabad



Centre for Advanced Studies in Telecommunication (CAST)

Centre for Advanced Studies in Telecommunication (CAST) was established on December 12, 2007 as an independent Research Institute committed to quality research in the area of telecommunication. CAST has been directly funded by higher Education Commission of Pakistan (HEC). Establishment of CAST has ensured long term continuity of quality and industry relevant Research. The mission of CAST is to provide a prominent service to society by promoting quality research in telecommunication by virtue of its highly competent faculty and staff, state-of-art research facilities, mutual relationships with regional industry and by providing an intellectually stimulating environment for post graduate study.

Objectives

- To conduct quality research in the field of telecommunications with the aim of solving technical problems confronting telecommunication sector.
- To provide high quality post graduate education and training in the field of telecommunications in order to

meet the demand for professionals in modern telecommunication technology.

- To provide technical expertise in the form of consultation services, feasibility studies and technology assessment studies.
- To conduct seminars, workshops and conferences relevant to telecommunication.

Senior Faculty Members

Dr. Naeem Zafar Azeemi

Director CAST

PhD, Technical University, Vienna, Austria

Dr. Mirza Mansoor Beg

Advisor CAST

PhD

Dr. Syed Waqar Nabi

Assistant Professor

PhD



Interdisciplinary Research Centre in Biomedical Materials (IRCBM)

CIIT Lahore has proudly announced the launching of the Centre of Biomedical Material Sciences as part of an interdisciplinary research Centre (IRC) in November 2007. The centre is designed to carry out state of the art research in frontier technology of biomaterials, resulting into the educational, social and economic uplift of the country. The centre is housed in a brand new purpose built building constructed and furnished at a cost of Rs.50 million. The centre has laboratories in a number of fields including polymers, ceramics, composite materials, cell biology, chemical and mechanical characterization etc, and has adequate equipment and facilities for research.

Biomedical Material Sciences bring together researchers from diverse academic backgrounds such as biomedical engineers, tissue engineers, mechanical engineers, material scientists, biologists, micro-biologists and clinical scientists thus bridging various scientific disciplines. The need for biomedical material has changed due to the fact that the consumers prefer the use of light weight, durable and cosmetically appealing materials. These demands can only be satisfied by designing and manufacturing long lasting and efficient materials. Thus biomedical material scientists are continuously striving to discover better and economically viable materials.

Senior Faculty Members

Dr. Ihtesham ur Rehman

Executive Director
PhD, MRSC

Dr. Rafaqat Hussain

Assistant Professor/Incharge
PhD, University College London, UK

Dr. Anila Asif

Associate Professor
PhD (USTC, PR China)

Dr. Aqif Anwar Chaudhry

Assistant Professor
PhD, QMUL, London, UK

Quality Enhancement Cell

At CIIT, we are always in the exciting process of dynamic change. During the previous five years, for instance we have risen surely and steadily and still striving to be the number one. And it gives us an opportunity to make 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 promotes society and identify ways of overcoming the barriers to progress. But it benefits teaching too, by challenging it to respond to the changing needs of students and also to the changing nature of society especially in the workplace.

COMSATS Institute of Information Technology (CIIT) established the Quality Enhancement Cell (QEC) to introduce and implement the procedures and systematic standards by the guideline of HEC for monitoring and evaluation of the various aspects of a project, service, or facility to ensure that standards of quality are being met. HEC has designed the Self-Assessment Manual. This manual also gives eight major criterion subdivided into related standards to be achieved. The Quality Enhancement Cell (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. A successful assessment program includes the following:

- Purpose Identification
- Measurements and Evaluation design
- Outcomes identification
- Data Collection
- Analysis and Evaluation
- Decision Making regarding actions to be taken

Main Responsibilities

Responsibilities of QEC by the Guideline of HEC, are as follows:

- QEC will be responsible for promoting public confidence that the quality and standards of the award

of degrees are enhanced and safeguarded.

- QEC will be responsible for the review of quality standards and the quality of teaching, learning in each subject area.
- QEC will be responsible for the review of academic affiliations with other institutions in terms of effective management of standards and quality of programs.
- QEC will be responsible for defining clear and explicit standards as points of reference to the reviews to be carried out. It should also help the employees to know as to what they could expect from candidates.
- QEC is responsible to develop qualifications framework by setting out the attributes and abilities that can be expected from the holder of a qualification, i.e. Bachelors, Bachelor with Honors, Master's, M. Phil., Doctoral.
- QEC will be responsible to develop program specifications. These are standard set of information clarifying what knowledge, understanding, skills and other attributes a student will have developed on successfully completing a specific program
- QEC is responsible to develop quality assurance processes and methods of evaluation to affirm that the quality of provision and the standard of awards are being maintained and to foster curriculum, subject and staff development, together with research and other scholarly activities.
- QEC is responsible to ensure that the university's quality assurance procedures are designed to fit in with the arrangements in place nationally for maintaining and improving the quality of Higher Education.
- QEC will be responsible to develop procedures for the following:
 - Approval of new program.
 - Annual monitoring and evaluation including program monitoring, faculty monitoring, and student perceptions.
 - Departmental review
 - Student feedback
 - Employer feedback
 - Quality assurance of Master's, M. Phil. and Ph.D. degree programs.
 - Subject review
 - Institutional assessment
 - Program specifications.

Future Plans

- Collection & compilation of information.
- Updating informative QEC website.
- Conduct regular meetings of the local QECs or frequent interaction and to define the direction of work.
- To develop a feedback mechanism to keep central record at the QEC.
- QEC will help in Self Assessment of quality of programs and their Implementation in all the campuses.
- Ranking of departments/Campuses and decision making summary will be submitted to Rector.

International Liaison Office

As we begin the new period, we once again confirm our commitment to make CIIT one of the best Institutes of academic learning and research in the world. 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 in achieving our goals and for the fulfillment an International Liaison Office (ILO) has been established. The establishment and planning of the International Liaison Office is a reflection of the overall purpose and vision of the CIIT to form an academic community that maintains the highest academic standards as well as the greatest possible diversity among its students and scholars and its different disciplines. The CIIT has a commendable record of expansion and development in a very short time.

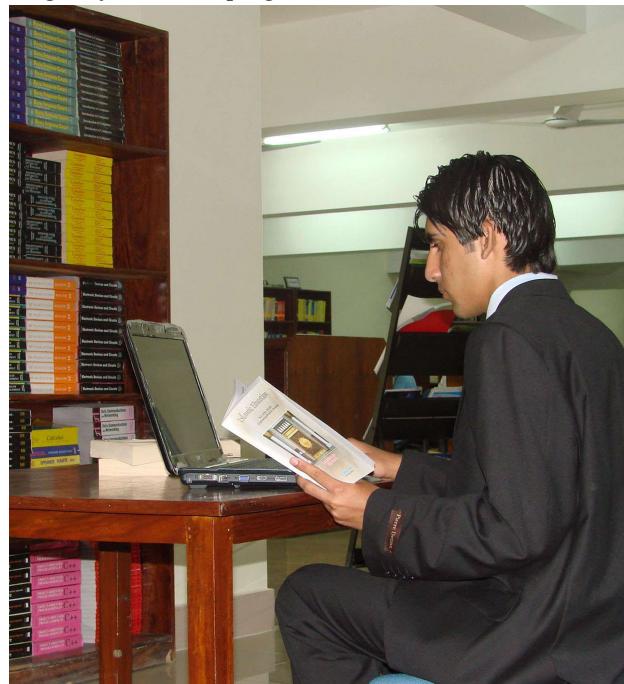
Career Development Cell

The success of any organization depends on the caliber of its human resources. It is the quality of the people that determines the continued survival and growth of the modern day organization. As the organization grows, thought must be given not only to the recruitment, selection, development and retention of human resources but also for the organization to direct its attention towards career development and management.

Everyone knows what graduate employers need: pragmatic, flexible people capable of setting realistic goals and putting plans into action. Successful students know they should apply the same thinking to career planning. The career planning efforts that some professionals accomplish early in their career helps them throughout their life. If they explore career options,

consider associated work environments, identify career paths that are most attractive to them, they can be more productive.

Setting up CDCs has triggered convergence between industry and academia. The purpose of setting up these CDCs is to liaison with the industry, recommending updating of the curricula as advised by the industry, suggesting and informing the academia about the recent trends in the industry and the demands of the industry from the academia. Recently we have launched a job portal for students in collaboration with Rozee.pk, a renowned placement company of Pakistan to help students find their jobs through advertising themselves at the portal for the prospective head hunters. 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. We are sure that this step will go a long way in developing the students of our institution.







ACADEMICS

Directorate of Academics

Academic activities of all the seven campuses are supervised by the Directorate of Academics (DoA). The objective is to streamline the Academic activities of CIIT.

The DoA develops initiatives to enhance CIIT stature in the higher education world. It anticipates future developments in higher education and their impact on the university, identifies the threats and opportunities they pose, and evaluate the needs inherent in meeting those challenges creatively and effectively and hence provides guidance in the university's academic programs/activities.

The directorate is the custodian of matters relating to academic regulation and quality assurance and enhancement of academic provision throughout the Institute; thereby it endeavors to maintain/ensure academic quality of the departments, programs, and services within its ambit through coordination among different statutory and administrative bodies and implementing the policies formulated/ approved by these bodies.

The Directorate of Academics facilitates in providing a range of services to the CIIT students. These include, but not limited to, admissions, registration, inter-campus migrations, financial support, and looking into students' affairs at large and co-curricular & extra-curricular activities of the students. The Directorate is actively engaged to modernizing various activities of the Institute and its academic functionaries.

Faculties and Departments

Faculty of Architecture & Design

- i. Department of Architecture
- ii. Department of Design

Faculty of Business Administration

- i. Department of Development Studies
- ii. Department of Management Sciences

Faculty of Engineering

- i. Department of Chemical Engineering
- ii. Department of Electrical Engineering
- iii. Department of Mechanical Engineering

Faculty of Information Sciences & Technology

- i. Department of Computer Science

Faculty of Science

- i. Department of Biosciences
- ii. Department of Chemistry
- iii. Department of Environmental Sciences
- iv. Department of Mathematics
- v. Department of Meteorology
- vi. Department of Pharmacy
- vii. Department of Physics

Academic Programs

ISLAMABAD

- Bachelor of Architecture
- Bachelor of Design
- Bachelor of Science in Bioinformatics
- Bachelor of Science in Biosciences
- Bachelor of Science in Business Administration
- Bachelor of Science in Computer Science
- Bachelor of Science in Economics
- Bachelor of Science in Electrical (Computer) Engineering
- Bachelor of Science in Electrical (Telecommunication) Engineering
- Bachelor of Science in Electronics
- Bachelor of Science in Mathematics
- Bachelor of Science in Physics
- Master of Business Administration
- Master of Energy Management
- Master of Project Management

ABBOTTABAD

- Bachelor of Science in Business Administration
- Bachelor of Science in Computer Science
- Bachelor of Science in Earth Sciences
- Bachelor of Science in Economics
- Bachelor of Science in Electrical (Computer) Engineering
- Bachelor of Science in Electrical (Electronics) Engineering
- Bachelor of Science in Electrical (Power) Engineering
- Bachelor of Science in Environmental Sciences
- Bachelor of Science in Telecommunication & Networking
- Doctor of Pharmacy
- Master of Development Studies
- Master of Business Administration

WAH

- Bachelor of Science in Business Administration
- Bachelor of Science in Computer Science
- Bachelor of Science in Electrical (Computer) Engineering

- Bachelor of Science in Electrical (Telecommunication) Engineering
- Bachelor of Science in Telecommunication & Networking
- Master of Business Administration
- Master of Computer Science

LAHORE

- Bachelor of Architecture
- Bachelor of Design
- Bachelor of Science in Business Administration
- Bachelor of Science in Chemical Engineering
- Bachelor of Science in Computer Science
- Bachelor of Science in Economics
- Bachelor of Science in Electrical (Computer) Engineering
- Bachelor of Science in Electrical (Telecommunication) Engineering
- Bachelor of Science in Physics
- Master of Business Administration

ATTOCK

- Bachelor of Science in Business Administration
- Bachelor of Science in Computer Science
- Master of Business Administration
- Master of Computer Science

SAHIWAL

- Bachelor of Science in Bioinformatics
- Bachelor of Science in Biosciences
- Bachelor of Science in Business Administration
- Bachelor of Science in Computer Science
- Bachelor of Science in Mechanical Engineering
- Master of Business Administration

VEHARI

- Bachelor of Science in Business Administration
- Master of Business Administration
- Master of Computer Science
- MSc Economics

FACULTY OF ARCHITECTURE & DESIGN

Department of Architecture

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

The decision to launch the Department of Architecture in Islamabad was taken in 2005. It affords an opportunity to re-examine and reevaluate 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.

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 reexamine 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

1. Bachelor of Architecture: B Arch

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 fulfill 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.

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.

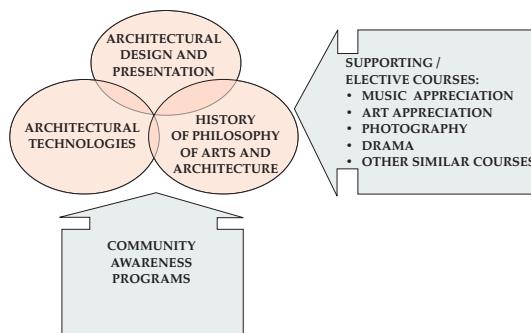


Quick Program Facts

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	180

THE DEPARTMENT FOLLOWS AN INTEGRATED APPROACH TO 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.



Past Progress

- CIIT Faculty of Architecture and Design was established in 2005 at Islamabad. Department of Architecture admitted and opened doors to first batch of 26 students for a five year Bachelors degree.
- Classes began with one temporary studio and two faculty rooms in N Block, H-8 Campus with 3 teaching faculty.
- Department moved to the new campus in Chak Shahzad in 2007 and at present there is 13 full time teaching faculty and 3-4 visiting faculty which include

architects and artists with diverse qualifications and expertise and of National repute.

- In 2006 Department of Architecture opened at the Lahore Campus of CIIT.

Activities

- Academic activities include : students visits to various places / skill development exercises / sketching / observation / drawing / presentation
- Departments Co-curricular activities include: exhibitions / workshops / sports / mimes / art appreciation
- Professional activities for students: internship /

- community awareness programs (eg workshop at Mansehra, earthquake affected area), different workshops (eg calligraphy, miniature art, graphic art etc)
- Department has Links with professional bodies/industries: such as IAP institute of Architects Pakistan and practicing architects

Facilities at the Department

- Architecture studios equipped with latest computers, audio visual systems.
- Conference facilities

Future Plans

- Department of Fine Arts
- Masters and PhD programs
- Museum and Gallery for Architecture and Arts
- Linkages and exchange programs

Eligibility Criteria and Admission Procedure

Eligibility Criteria:

Intermediate or equivalent with a minimum of 50% marks, from an accredited institution.

Admission Procedures

The following procedures are followed for admission in Bachelor of Architecture:

- a. All applicants will appear in the entrance test.
- b. Detailed merit list will be provided to the department listing not just the combined weighted merit but also the marks obtained by the applicant, individually, in all previous public examinations, as well as in verbal, analytical and quantitative sections of the entrance test.
- c. All applicants will appear in the drawing test and interview.
- d. A list of selected applicants will be prepared by the department, observing the criteria given below:
 - 30% weightage of Entrance Test & Previous Public Examinations.
 - 30% weightage of Drawing Test (Freehand drawing)
 - 40 % weightage of Interview



Department of Design

Academic Programs

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 focussing 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, Photography, Print production and Interactive digital media. Students may specialise (for example in Furniture) or be pluralists (for example 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.

Aims and objectives

The course aims to:

- provide a supportive learning environment in which you can become an independent, self-aware learner
- equip you with the knowledge, understanding, and intellectual, academic, practical and transferable skills necessary to practice in and contribute to various industries
- produce responsible, self-reliant graduates, able to demonstrate critical analysis and self-reflection in their contributions to society. By the end of the course you should have:
 - a detailed understanding and awareness of current developments in design
 - the ability to initiate, develop and sustain ideas; analyse and critically evaluate information; to demonstrate visual and aesthetic awareness; to solve problems and make decisions within set and self-initiated projects
 - the ability to present ideas and resolved outcomes through the informed selection and use of materials, techniques and processes
 - the ability to communicate effectively with

- specialist and non-specialist audiences using visual, verbal and physical means
- the ability to work independently and collaboratively, to initiate, manage and conclude projects within set timescales
- the ability to critically evaluate the social, cultural and professional contexts within which design operates.

Admission Requirement

Intermediate or equivalent with a minimum of 50% marks from an accredited institution. The following procedures are followed for admission in Bachelor of Design:

- All applicants will appear in the entrance test (NTS).
- Detailed merit list will be provided to the department listing not just the combined weighted merit but also the marks obtained by the applicant, individually, in all previous public examinations.
- All applicants will appear in the drawing test and interview which will be held within the department of Architecture & Design. Applicants are supposed to bring drawing boards, drawing papers, pencils, rubbers etc. with them on the day of drawing test.
- A list of selected applicants will be prepared by the department, observing the criteria given below: 30% weightage of Entrance Test & previous public examinations.

70% weightage of drawing test and interview.

Senior Faculty Members Department of Architecture and Department of Design

Islamabad

Dr. S.M. Junaid Zaidi (SI)

Dean Faculty of Architecture and Design

Prof. Architect M. Pervaiz Vandal

Advisor, B. Arch. E, American University, Beirut, Lebanon

Professor Dr. Rafiq A. Malik

Professor / Chairman, B.Arch UET Lahore, M. Arch Sheffield U.K, PhD Sheffield U.K.

Architect Zain-ul-Abedin

Professor, HoD, B.Arch UET Lahore, M.A. urban Design, MBA, Oxford Brooks Uni., U.K.

Architect Uzma Nooreen Zainul Abedin

B.Arch DCET, Karachi. MA Urban Design, MBA, Oxford Brooks Uni., UK. HEC Foreign Professor

Architect M. Afzal Ebrahim

HEC Foreign Professor, Registered Architect (Arizona, USA) Dip. Arch, NCET, Karachi. B'Arch, Arizona State Univ, USA. M.E.P. Solar Arch. Energy Tech. Arizona State Univ, USA.

Architect Arif Masood

Architect
B.Arch NED Uni., Karachi. Associate Professor /Principal

Architect Samra M. Khan

Associate Professor, B.Arch NCA, Lahore

Ms. Farrah Adnan

Associate Professor, MA Fine Arts, NCA Lahore

Ms. Aisha Imdad

Associate Professor
BFA, NCA., M.A. Visual Art, N.C.A. Lahore

Architect Dr. Anita Kapadia

Assistant Professor, B.Arch NED Un., Karachi, M.Phil Arch, PhD Cardiff, U.K.

Ar. Faisal Arshad

Sr Architect/ Asst Prof, B. Arch - UET Lahore

Architect Kifayat Hussain

Assistant Professor, B.Arch UET Lahore

Architect Adnan Amin

Assistant Professor, BArch , NCA Lahore

*Note: BFA (NCA) is equivalent to M.A. Fine Arts (HEC)

Experts:

Ar. Anila Jahanzaib Luni

Certificate in Interior Design, London, UK, B Arch NCA Lahore.

Ar. Daniya Atta

MS Advanced Architectural Design, Columbia University, NY, B.Arch NCA Lahore

Engg. Amin Tariq

B. Sc Civil Engg, UET , Lahore, M.Sc, MIE (Pak) P.E

Engg. Khalid Bashir

B. Sc Engg, UET Lahore, M.I.M.E, P.E (Regd)

Lahore Campus

Prof. Dr. Rafiq A. Malik

Professor/Chairman /HoD

B.Arch UET Lahore, M.Arch Sheffield, UK, PhD Sheffield, UK

Prof Hasan Shahnawaz Zaidi (Tamgha-e-Imtiaz)

Advisor

MFA Graphic Design, Punjab University, Lahore

Syed Ehtesham Hussain

Assistant Professor

B.Arch UET Lahore

Ms. Saba Samee

Assistant Professor

M.A, Archaeology, University of York, United Kingdom



Islamabad



Lahore

FACULTY OF BUSINESS ADMINISTRATION

The Faculty of Business Administration has two departments, i.e., Department of Management Sciences and Department of Development Studies. "Becoming a highly acclaimed business school dedicated for reducing the ever growing gaps in the country's economy and contributing to its sustainability"

Department of Management Sciences

The Department of Management Sciences at CIIT has emerged as the most dynamic and vibrant department. Its current enrollment is among the highest in CIIT. The Department of Management Science solely is committed with the objective to keep the knowledge of students at par with the market trends. To trace its origin, Department of Management Sciences was established in 2001 at Islamabad. At present, the Department of Management Sciences has over 4000 students enrolled in all seven campuses and they are over 250 full time Faculty members. All the seven campuses offer programs as approved by Department of Management Sciences. "Impart quality education by incorporating world-class standards in the development of our curricula, teaching and assessment methodologies and to establish a network of professionals from academia and industry to ensure knowledge dissemination among its stakeholders".

Academic Programs

Following programs are being offered during the Fall 2010 and Spring 2011 semesters to prospective students:

1. Bachelor of Science in Business Administration: BS (BA)

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

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

The objectives for this degree program are to:

- Familiarize students with the fundamental bodies of theoretical and applied knowledge of business represented in the core courses;
- Provide students an opportunity to learn new tools and techniques in areas such as accounting, marketing, and management as represented in upper level courses;
- Enable students to integrate formal academic learning with their business related experiential learning;
- Encourage self-improvement and professional growth among students;
- Expose students to the global business environment.

2. Bachelor of Science in Economics: BS (EC)

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. 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 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 three credits and a compulsory project report of six credit hours in the 8th 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 at least 2.0/4.

The BS Economics 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.

3. Master of Business Administration: MBA (3-year)

CIIT's three-year MBA program offers students from Pakistan and overseas with 16 years of formal education the opportunity to earn an advanced qualification which is highly prized by employers in both the private and public sectors in Pakistan. Comparable in quality to MBA programs offered by reputable universities outside Pakistan, fully accredited by the HEC, and taught by a highly qualified faculty pool, which includes several foreign-trained PhDs, our MBA program spans 99 credit hours and includes course modules in all major business administration subject areas. In addition, CIIT offers a large number of electives from which our students can freely choose from. If you are looking for high quality business education at a very affordable price, then try CIIT's MBA program

The objectives for this degree program are to:

- present managers and prospective managers with the conceptual overview of modern theory and practice in each of the key areas of managerial responsibility;
- integrate the formal academic learning with their business related experiential learning so that meaningful personalized learning occurs;
- enable them to experience self-improvement and professional growth
- expose them to international business scenarios. Specializations are provided in the following areas:
- **Marketing:** The Marketing specialization blends theoretical and applied concepts in coursework and hands-on experiences involving case studies of actual organizations. Students will take courses in new product development, marketing communications, market research and international marketing.

- **Finance:** The finance specialization area teaches both financial theory and its practical implications. It also prepares the students for the financial manager's responsibility in allocation of capital for the long term profitability of the firm.
- **Human Resource Management:** The course work provides an overview of important business functions and key human resource areas, mapped to the competencies which have become a need in this vast growing business arena. Humans are now considered to be the most important resource of the organization. The emphasis is on immediate application of the knowledge, competencies, and skills necessary to integrate business and human resource strategies.

4. Master of Business Administration: MBA (1½-year)

To meet the increasing demand for advanced business education from qualified applicants, CIIT initiated its "fast track" MBA program in 2007. The program differs from our conventional MBA program as it is of 1½ years duration and open exclusively to students in possession of a four-year bachelor degree in business administration. Master of Business Administration (1½ Years) program has been specially designed for enhancing the managerial and leadership skills of those business graduates who have already completed their 4-Year BBA/BS (BA) program from an accredited university. Content-wise, the curriculum includes more advanced concepts than those which students were acquainted with in their undergraduate business programs and extensive use of case method teaching. Our MBA program will successfully prepare graduates for meeting the diverse professional challenges in all organizations where the application of business skills are required. Thus, the program focuses on practical decision making and policy formulation for establishing and managing the modern day businesses. The program comprises of courses that inculcate critical thinking and practice based understanding of managerial processes.

5. Master of Project Management: MPM

Seeing the need for high-quality project management education in Pakistan, COMSATS Islamabad campus

launched its Master of Project Management (MPM) program in September 2008. The MPM is the first of its kind in Pakistan in the sense that it elevates the teaching of project management in this country to a level which is comparable to international standard while at the same time seeking to bridge the gap between the vast pool of knowledge which has accumulated through decades of work in this subject field and the practical application of this knowledge to projects with special focus on the Pakistani situational context.

The COMSATS MPM is a one-year or two-semester accredited degree program which is open to persons who have sixteen years of schooling, at least one year professional work experience, very good knowledge of English and who have qualified the NTS-GAT (or equivalent) test with minimum 50% marks. The MPM consists of eleven modules of three credit hours each. Ten modules consist of five core modules distributed over both semesters and five elective modules which MPM students can freely choose from. The eleventh module is a project field report which MPM students can undertake in their respective organizations or in another organization. CIIT Islamabad sets the benchmark in project management education in Pakistan and has paved the way for the establishment of a Centre of Excellence under its auspices.

6. Master of Energy Management: MEM

In the past few years, the field of energy management has turned dauntingly complex. It must now deal with multifarious energy sources (hydrocarbons, nuclear and renewable etc.), energy carriers (gas, electricity, heat, hydrogen, etc.), and different transport solutions, which are interrelated and provide multiple options for business development. Department of Management Sciences, CIIT Islamabad, therefore, started a comprehensive Masters level degree program that addresses these many options and provides deep insight into oil, gas and energy sector in Pakistan keeping in view the global energy industry. There is no institution in Pakistan where Energy is taught as an integrated subject. The objectives of the Masters degree

course in Energy Management is to prepare the future managers in the field of energy enhancing their understanding of the energy sector and developing skills in planning, strategy formulation and promotion of investment in energy projects to strengthen the alliance between industry and academia in the energy sector and help create robust business partnerships between organizations and institutes both within Pakistan and with other developing nations.

International Collaborations

The department has understandings and linkages with many national and international academic institutions and organizations, pursuing excellence in the field of education, research & development, including:

1. Graduate School of Chinese Academy of Sciences (GSCAS), Beijing, China
2. Tongji University, Shanghai, China
3. Harbin Institute of Technology (HIT), Harbin, China
4. Beijing Institute of Technology (BIT), Beijing, China
5. Beijing Culture & Language University, Beijing, China
6. Leeds University, UK
7. International School of Management, University of Applied Sciences, Dortmund, Germany
8. Population & Development Research Institute, Nankai University, China
9. School of Management, University of Surrey, UK
10. Alliance Francaise, Islamabad (French Based)
11. University of Bradford, UK
12. National Productivity Organization (NPO)
13. LMK Resources (LMKR)
14. Asian Development Bank (ADB)
15. SME Bank
16. SMEDA
17. Australian National University, ANU
18. Cardiff University, UK
19. Lancaster University, UK
20. Swansea University

These collaborations are in accordance with CIIT's aim of providing ideal scholastic environment to its faculty and students.

Masters in Project Management

MPM

Department of Management Sciences

Knowledge. Commitment. Success.

Making a
Difference



COMSATS Instit.
Information Techno.

Quick Program Facts

Programs	BS(BA)	BS(EC)	MBA(3-Years)	MBA(1½-Years)
Eligibility	Intermediate or equivalent, with minimum 50% marks, from an accredited institution.	Intermediate or equivalent, with minimum 50% marks from an accredited educational institution.	Bachelor Degree (14-year) or equivalent, with minimum 50% marks, from an accredited institution.	4-year Bachelor Degree (16-year) in Business Administration or equivalent, with minimum 50% marks, from an accredited institution.
Session	Spring and Fall	Spring and Fall	Spring and Fall	Spring and Fall
Semesters	8	8	6	3
Number of Years	Four Years	Four Years	Three Years	1½ Year
Credit Hours	133	130	99	36

Learning Enhancing Activities

Lectures by foreign scholars at CIIT, Islamabad. The faculty of business administration at CIIT is making great strides towards imparting quality education in all its teaching and research-based programs. The department of management sciences already has recruited a 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 a Pakistani university.

As part of its continuous effort to impart quality education, our department recently hosted Dr. Saeed Akbar from 16th November 2007 to January 1st 2008. Dr. Akbar earned his PhD from Manchester Business School in 2001 and is presently a Lecturer in Accounting at Liverpool University, UK, where he has taught, and teaches, several accounting and finance course modules. He has also authored several research papers. During his stay at CIIT Islamabad, Dr. Akbar gave two seminars for our faculty and students on

the themes "Writing Dissertation and Research Proposals: Some Important Implications" and "Publishing Research Articles & Papers in International Journals". Dr. Akbar also conducted a course on Business Research Methods for our PhD students. He has agreed to visit CIIT every semester where he will conduct seminars, courses and advise the Department with regard to teaching quality and research matters. In the beginning of January 2008, Dr. Shumaila Yousafzai from Cardiff Business School visited CIIT, Islamabad. A specialist in internet consumer banking and marketing, Dr. Yousafzai conducted a series of workshops on advanced business and social science research techniques for the benefit of our MS and PhD students as well as our faculty members.

Live Broadcasted Video-Conferencing Session at CIIT:

The department, in collaboration with the Department of Distance Education conducts live broadcast video-conferencing sessions, which are telecasted in the Wah and Abbottabad campuses of CIIT simultaneously. The two courses that were offered recently were credited courses of the MS /PhD degree program which were modified into an extensive three week block teaching system. The participants were generally required to complete 45 credit hours in a span of three-four weeks time after which they are evaluated

accordingly. Experts and foreign professors have been invited to CIIT, Islamabad for conducting these specialized courses in the field of business & management for participants who are nominated from the CIIT campus network in Islamabad, Lahore, Abbottabad, Attock, Sahiwal and Wah. For the semesters of Spring 2009 the Department of Management Sciences offered two courses online through video conferencing for MBA.

Role of the Department

We believe that the Business Management training aims to satisfy the demand for trained managers, who will fulfill the upcoming needs of different organizations of Pakistan and abroad. The department intends to produce professionals who would successfully run these organizations and ventures. We know for a fact that there is an increase in economic activities of the world and an explosion of innovations and use of technology globally. This has resulted in opportunities to start up new ventures. Therefore, we need entrepreneurs to capitalize on these opportunities and contribute to the development of the nation. There is an intense demand of well trained entrepreneurs in this modern competitive business world. The department is keen to fulfill these intense demands through trained entrepreneurs / professionals.

Future Programs

As the Department of Management Sciences emphasize on uniqueness and creativity in its programs, we are always on the lookout for the latest academic and professional programs for students and professionals. Following are the programs the department plans to start in the near future:

Bachelor Programs:

1. Bachelors in Banking and Finance
2. Bachelors in International Business

Master Programs:

1. Masters in Human Resource Management
2. Masters in Banking and Finance
3. Masters in NGO's Management
4. Masters in Engineering Management
5. Masters in Business Administration (Health Care)
6. Masters in Agriculture Business

7. Masters in Public Administration
8. Masters in International Business
9. Masters in Logistics, Supply and Chain Management
10. Masters in Operation Management
11. Masters in Innovation and Entrepreneurship
12. Masters in Tourism and Hospitality Management
13. Masters in Technology Management
14. Masters in E-Commerce and Cyber Marketing
15. Masters in Manufacturing and Management

Senior Faculty Members

Islamabad

Dr. Muhammad Afzal Khan

Professor, Chairman, Ph.D, Pakistan

Dr. Qaisar Abbas

Professor, HoD, Ph.D, China

Dr. Muzaffar A. Qureshi

Advisor, Ph.D, USA

Javed Zafar

Advisor, MS, USA

Ghulam Haider

Advisor, MS, USA

Dr. Muhammad Nasir

Foreign Professor, Ph.D, USA

Dr. M. Tahir Masood

Foreign Professor, Ph.D, USA

Dr. Zulfiqar Ali Shah

Associate Professor, Ph.D, UK

Dr. M. Azhar Khan

Assistant Professor, Ph.D, Japan

Dr. Aurangzeb Z Khan

Assistant Professor, Ph.D, Germany

Dr. M. Zahid Iqbal

Assistant Professor, Ph.D, Pakistan

Dr. Shahab Alam Malik

Assistant Professor, Ph.D, China

Ghazala Amin

Assistant Professor, MS, USA

Hanniya Abid

Assistant Professor, MS, UK

Imran GhafoorAssistant Professor, MS, Pakistan
Incharge MBA, MS and PhD Programs**Laeeq Hassan Jaswal**

Assistant Professor, MBA, Pakistan

M. Khalid Sohail

Assistant Professor, MS, Pakistan

Muhammad Tahir

Assistant Professor, MS, UK

Naveed Ahmed Khan

Assistant Professor, MSc, Pakistan

Sarah TariqAssistant Professor
Incharge BBA Program MBA, Pakistan**Talat Mehmood Kiyani**

Assistant Professor, MS

Umara Noreen

Assistant Professor, MS, Pakistan

Kamal Mustafa

Assistant Professor, MS, UK

Muhammad Irfan

Assistant Professor, MS, UK

Jehangir Akhtar

Assistant Professor, MS, USA

Javed Iqbal

Assistant Professor, MS, Pakistan

Khalil ur Rehman Malik

Assistant Professor, MS, UK

Saadia Zia

Assistant Professor, MS, UK

Hassan M. Ansari

Assistant Professor, MS, USA

Aziz Khan

Assistant Professor, MBA, USA

Shahid Malik

Assistant Professor, MS, USA

Humanities**Mr Mazhar Habib**Assistant Professor, (Incharge, Humanities) M.A (ELT)
University of Essex,UK**Ms Mubashira Ghori**Assistant Professor, MS(South Asian Studies)
National University, Singapore**Ms Attiya Siddique**

Assistan Professor, M.A (English) University of the Punjab

Ms Aqeela Asif

Assistant Professor, M.A (History) University of the Punjab

Ms Sadaf SajjadAssistant Professor, MS Artificial Intelligence
MIT, Japan PGD Clinical Psychology University of the Punjab**Ms Rahat-ul-Ain**Assistant Professor
M.Phil (English) (Literature& Linguistics) NUML**Ms Farkhanda Khursheed**Assistant Professor, M.Sc (Pakistan Studies)
Quaid-e-Azam University**Abbottabad****Dr. Syed Amjad Farid Hasnu**Professor, PhD (Business Economics), University of Bradford,
UK**Dr. Khawaja Farooq Ahmad**Professor, Ph.d & Post Doc (Agriculture), University of
Newcastle-upon-Tyne, England, UK**Dr. Mushtaq Khan Jadoon**Associate Professor
Head of Department, PhD (Public Health Policy and
Management), University of Groningen, Netherlands**Syed Nadeem Bukhari (GM)**Associate Professor, MBA(Finance / Marketing), University
of Birmingham, UK; M.Engg(Industrial Engineering and
Management), AIT, Bangkok**Dr. Kashif Rashid**Assistant Professor, PhD (Corporate Finance), Victoria
University, Melbourne, Australia**Dr. Waseem Ikram**Assistant Professor
MBA (Marketing, TQM), University of Wales, MBBS
University of Karachi.

Syed Gohar Abbas

Assistant Professor, MS(HRM) Sarhad University Peshawar; MBA (Finance), IMS University of Peshawar

Aziz ullah Sayal

Assistant Professor, MS (Environmental Economics), CIIT Abbottabad; M.Sc. (Economics), MBA (Finance), Gomal University

Naveed Jan

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Jamil Anwar

Assistant Professor
MBA (Finance), Shah Latif University

Anjum Naseer

Assistant Professor, MS(Management) CIIT Abbottabad; MA(Educational Administration) Punjab University

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MSc(OR/MS), University of Strathclyde, Glasgow

Babar Khan Jadoon

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Col (R) Ikram Ullah Khan

Assistant Professor, MA (English), Punjab University; MA (Education Administration), Punjab University; MA (Islamic Studies), Karachi University

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Zaheer A Khan, MBA

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Mr. Faheem A. Khan

Assistant Professor
MBA Philippines Christian University, Philippines

Mr. Amer

Assistant Professor, MBA, Hamdard University, Karachi

Mr. Safdar Nazeer

Assistant Professor, MPA, Q.A.U. Islamabad

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Assistant Professor, PhD-DBA Argosy University, Illinois of Professional Physiology, Chicago

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Advisor (Academic), MA (English) Punjab University 1965

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M.A (English) MSc(Psychology) University of Punjab

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Lahore

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United States

Dr. Ahmad Kaleem

Professor / HoD Ph.D Islamic Finance, University of
Malaysia, Malaysia

Prof. Dr. Salman Ahmad

Professor Ph.D Economics, International Islamic
University, Islamabad Pakistan

Dr. Hina Qamber Abbasi

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State University Russian Federation

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University of Modern Languages, Islamabad

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University of Malaya KL, Malaysia

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Assistant Professor , Ph.D, Social & Economic Sciences
Karl-Franzens University, Graz, Austria

Syed Khurram Ali Jaffri

Assistant Professor, M.Sc Business Administration, Blekinge
Institute of Technology, Kalskrona, Sweden

Mr Rashid Waheed Qureshi

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Accounting & Management Institute of Cost & Management
Accountants of Pakistan

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Point Park University, Pittsburgh, Pennsylvania, United States

Mr. Ahsan Masood

Assistant Professor, MBA Finance
University of the Punjab, Pakistan

Mr Abdul Farooq

Assistant Professor M.Phil Economics, Quaid-i-Azam
University, Islamabad, Pakistan

Mr.Samar Kamal Fazli

Assistant Professor, M.Phil Linguistics Bahauddin Zakariya
University, Multan, Pakistan

Mr Tahir Aziz Khan

Assistant Professor, M.Sc Information System Management
De Montfort University UK

Attock

Shaukat Amer

Assistant Professor MBA (Finance) Gomal University

Sahiwal

Muhammad Amir Rasheed

Assistant Professor, PhD

Rana Faqir Aslam

Assistant Professor, M.Phil

Haroon Rashid

Assistant Professor, MS

Nayyar Butt

Assistant Professor, MS

Muhammad Zia Hassan

Assistant Professor, MSC

Vehari

Ibn-e-Hassan

Incharge/ Assistant Professor, MBA, MSc. Int. Project
Management

Syed Taqueer Ahmad

Assistant Professor, MBA



Islamabad



Abbottabad



Wah



Lahore



Attock



Sahiwal



Vehari

Department of Development Studies

Being the premier institute of the region having mission and vision to achieve Sustainable Development in the region, COMSATS Abbottabad expanded its domain to encompass Development Studies as a separate and distinct program of study along with the ongoing Engineering Programs. In view of the present trends and emerging needs of the disciplines, the institute established the Department of Development Studies as a separate discipline during first quarter of 2004.

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 range from broad-based multidisciplinary 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. Also, to study 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 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 also placed on providing a sound basis for conceptual understanding of issues related to study of development policy with particular reference to Pakistan.

The Department has been offering two years (four semesters based) Master of Development Studies Degree program since Fall 2004. The degree is a recognized qualification for attaining jobs in development sectors, enhancing established careers and improving research

expertise in the related fields. The degree builds the sound foundation and provides opportunities for specialized education to broaden the academic base to increase options and opportunities for appropriate jobs in private and public sectors in local, national and international arenas.

Academic Programs

1. Master of Development Studies (MDS)

Master of Development Studies (MDS) is a two years (four semesters) program with enrollment open in both Spring and Fall Semesters. This is an evening program comprising core courses and a wide range of specialization/elective courses for students to choose from. To earn the degree students must complete 69 credit hours including a research report of six credits during the final semester. The current program by the department of Development Studies is based on the information available today and subject to periodical review for necessary adjustment in program implementation.



Quick Program Facts

Program	MDS
Eligibility Bachelor	Degree(14 year) or equivalent, with minimum 50% marks, from an accredited institution
Session	Fall and Spring
Semesters	4
No of Years	Two
Credit Hours	69

Market Relevance

On completion of the Masters Program, the candidates 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 & development-related agencies, institutions and organizations.

Career Opportunities

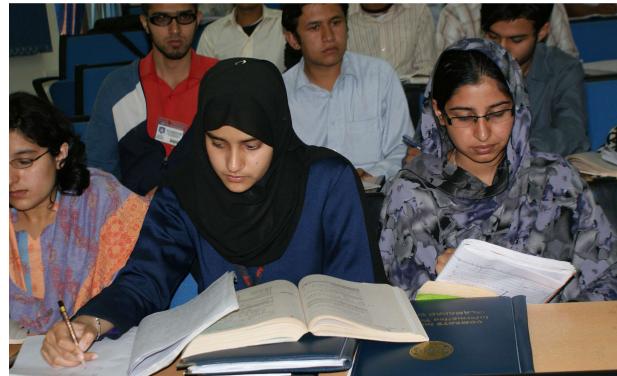
While the program is most suitable for fresh BA / BSc and higher-level education qualified students, it is also extremely beneficial for the not-for-profit sector and the private sector. Besides numerous other associated fields, the Study Program will lead qualified students/candidates in securing jobs and assignments in the Development sector as:

Professionals

- Executives - managers, administrators, planners (different levels)
- Technical (experts, specialists, practitioners)
- Sectoral (experts, specialists, practitioners) - all social sectors including natural resources and environment
- Teaching / Academia
- Consultants and Advisors

Related Organizations

- Government agencies and departments
- Local government assemblies - elected representatives



- Non-governmental organizations, civil society organizations, public interest organizations and the like
- Bi-lateral and multi-lateral institutions & organizations
- Academic institutions & establishments
- Private Sector

Professional Cadre

The national and international demand for development professionals, depending on qualification and experience, broadly falls into five different categories inclusive of the public and private sectors: Executives, managers, administrators, planners (different levels) technical (experts, specialists, practitioners) sectoral (experts, specialists, practitioners)-all

social sectors including natural resources and environment
Teaching/Academia Consultants and Advisors.

Learning Enhancing activities

Along with carrying out the academic activities the department has conducted several other activities including research, workshops, seminars etc. So far following activities have been conducted:

- 20 Research Papers have been published by the department in the HEC recognized journals.
- Department organized three workshops on the women rights to mark the occasion of International Women Day (March 8).
- Organized Seminar on the role of volunteers in the Development process in collaboration with the National Volunteers Movement. Organized a seminar on Gender and Globalization in Pakistan.
- Conducted several seminars on different development issues in various NGOs & colleges.

Senior Faculty Members

Dr. Shehla Amjad, PhD

Professor, (Economics);University of Bradford, UK



Dr. Himayatullah Khan

Professor, Post Doc (Economics and Natural resource Management), University Minnesota USA ;PhD (Economics),Quaid-e-Azam University; (on leave)

Dr. Bahadur Nawab Khattak

Assistant Professor
PhD(International Environment and Development Studies
Norweign University of Life Sciences, Norway;

Dr. Tahir Mehmood

Assistant Professor, PhD (Rural Development), Georg-August, University,Germany

Nadia Baig Uzbek

Assistant Professor
M.Phil (Economics), University of Peshawar

Abu Turab

Assistant Professor, M.Sc. (Economics), M.Sc. (Mathematics),
M.Sc. (Forestry), University of Peshawar

Ehsan Inamullah

Assistant Professor, MS (Environmental Protection),
University of Hohenheim Stuttgart, Germany

Mr. Noor Elahi

Assistant Professor, M.Phil (Anthropology), Quaid-e-Azam
University, Islamabad,

FACULTY OF ENGINEERING

The Faculty of Engineering is managing two departments i.e., the Department of Electrical Engineering and the Department of Chemical 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 congenial 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 aims of the department is to actively achieve gender mainstreaming in our programs. Women are doing remarkable work in the engineering world today. Now fields such as Computer Engineering, Telecommunication Engineering, and Electronics Engineering are offering amiable work environment for females, there is an increased demand from the female students to enroll in the Engineering Department. CIIT encourages and welcomes female enrollment and increase in their ratio in its engineering programs.

Academic Programs

1. Bachelor of Science in Electrical (Computer) Engineering: BS (CE)

Computer Engineering is an enormously vibrant area of study. It focuses on the design, analysis and application of the computer system. CE is a practical field intended to solve real world problems by combining ideas from engineering

with basic science. CE can broadly be described as an amalgam of electronics engineering, with major emphasis on digital electronics, computer architecture and interfacing, communication and computer science. The ratio of electronics and computer science courses in this discipline vary from university to university. During the first year, reinforcement in science and mathematic subjects are provided. During the second and third year, graduates will be reinforced with the Electronic Engineering and Computer Engineering fields. In the final year, reinforcements on Electronics and Computer Engineering are intensified. The Computer Engineering Graduates have excellent career prospects. Manufacturing Industry, Banks, Telecom Industry, commerce and other government and non-government organizations rely heavily on computers and they increasingly need the services of computer engineers to design, develop and support computer based applications.

2. Bachelor of Science in Electrical (Telecommunication) Engineering: BS(TE)

The Bachelor of Engineering in Electrical-Telecommunication offered by the Faculty of Electrical Engineering is in line with the urgent demand for engineers well versed in Communication Engineering. The program is an integration of Electrical Engineering, Telecommunication Engineering and Computer Engineering. The program aims to conduct work in technology assessment for commercial and government telecommunication systems. The first two years of the curriculum is similar to the courses provided for Bachelor of Computer Engineering. The last two years are equipped with the latest specialized telecommunication courses such as optical communication systems, wireless communication systems and radar, navigational aids, radio and television technologies. Today Telecom Engineers from CIIT are proudly playing a vital role in this thriving industry.

3. Bachelor of Science in Electrical (Electronics) Engineering: BS (EE)

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.

4. Bachelor of Science in Electrical (Power) Engineering: BS (PE)

At present, more than eighty 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 houses to be set up in Pakistan, we feel that there is greater and urgent need for offering electrical power engineering as an undergraduate degree program.

Quick Program Facts

Programs	BS(CE)	BS(TE)	BS(EE)	BS(PE)
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.	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.	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.	Intermediate or equivalent, with Physics, Math, Chemistry with minimum 60% marks or DAE in the relevant field with minimum 60% marks, from an accredited educational institution.
Session	Fall and Spring	Fall and Spring	Fall and Spring	Fall and Spring
Semesters	8	8	8	8
Number of Years	Four Years	Four Years	Four Years	Four Years
Credit Hours	140-142	139	140-142	137-139



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 next two years build strong basis in Electrical Engineering core subjects that enable the students to start specialization of their own choice. To enhance learning, workshops are regularly held. One such was on '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 main highlights of the department. Currently around 100 faculty members are abroad for their advanced degree completion of MS and PhD.

Past Progress

The Department of Electrical Engineering started with the main focus and effort to meet the growing demands of industry and emphasis on the quality of education and skill, computer engineering, as a result was granted HEC's recognition in August 2000 and PEC's recognition in 2003. The quest for improvement in teaching standard continued and today the total number of computer engineering graduates is more than 350. The Telecom degree is also HEC and PEC recognized. Today, a large number of Telecom Engineers from CIIT are proudly playing a vital role in this thriving industry.

Future Plans

The main focus of the department is to train the next generation of engineers and to create an environment that is conducive to learning and testing new skills. The goals is to be among the most successful and respected training centers in the region. Together with increased research support, these dynamic and positive changes are reshaping



the department's objectives in education and research, giving the students not only the excellence in cutting-edge technological knowledge and applications, but in a multidisciplinary engineering background for the career directions that our students have planned.

Senior Faculty Members

Islamabad

Dr. Shahid Ahmad Khan

Professor & Dean, PhD University of Portsmouth, UK

Dr. Nasrullah Khan

Professor & Chairman, PhD (Development of Femtosecond Laser) University of Essex, UK

Dr. Shahzad A. Malik

Associate Professor
& HoD, PhD ENST, France

Dr. Izhar ul Haq

Associate Professor
PhD Quaid-i-Azam University, Islamabad

Dr. Hassan Ahmad

Associate Professor (On leave) PhD University of Manchester, UK

Dr. Shaista Shahzada

Assistant Professor,
PhD Quaid-i-Azam University, Islamabad

Dr. Shahrukh Agha

Assistant Professor,
PhD Loughborough University, UK

Mehmood Pervaiz

Advisor
MSc (Electronics) Quaid-i-Azam University, Islamabad

Irfan Ahmed

Assistant Professor, BS Friends University, USA

Azhar Yasin

Assistant Professor, MS, BTH Sweden

Ahsen Mirza

Senior Program Officer

Sumaya Haroon

Assistant Professor, MSc (Computer Science) USA

Tasawar Abbas

Assistant Professor
MSc (Electronics) Quaid-i-Azam University, Islamabad

Muhammad Aurangzeb Khan

Assistant Professor
MSc (Computer Science), IIU, Islamabad

Sajid Hussain Alvi

Assistant Professor, MPhil(Electronics), Quaid-i-Azam University, Islamabad

Amna Qureshi

Assistant Professor, MS(CE), CASE, Islamabad

Tariq Bashir

Assistant Professor, MS(CE), CASE, Islamabad

Irfan Latif

Assistant Professor, MS

Ch.Afaq ur Rehman

Assistant Professor, MS, Riphah University, Islamabad

Omair Inam

Assistant Professor, MS, Sheffield University, UK

Omer Ahmed

Assistant Professor, MS(CE), NUST, Rawalpindi

Abbottabad**Dr. Saleem Farooq Shaukat**

Professor, PhD(Opto Electronics), Brunel University, London.

Dr. Shahid Khattak

Associate Professor,
(Head of Department), PhD(Wireless Communication),
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Dr. Abdur Rashid

Associate Professor, PhD (Electrical), Manchester UK.

Dr. Laiq Khan

Associate Professor, PhD(Control system), Strathclyde University, Glasgow, UK

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Atiq ul Anam

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MSc Communicatio Tech, University of Sindh

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Muhammad Tufail

Assistant Professors

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Saqib mahmood

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Syed Ayaz Ali Shah

Assistant Professors, MS(Electronics), UET Peshawar

Tufail Habib

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MS (Mechatronics), Aachen University, Germany.

Aamir Islam

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M.Phil Physics, Govt. College University Lahore

Jamil Ahmed

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Zulfiqar Khattak

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Sohail Zaman

Assistant Professors,

MS Elect Engg, Lawrence Tech Uni Michigan USA

Sajjad Durrani

Assistant Professors, BE Electronics Engg, NED Karachi

Sajid Aqeel

Assistant Professors, MS Comp Engg, TU Delft Netherland

Wah

Mr. Fasih ur Rehman

Assistant Professor / HoD, MSc (Elect. & Sys. Eng.) QAU (1996) & MSc (Electronics)

Dr. Sheeraz Anjum

Assistant Professor, PhD (Micro Electronics & Solid State Electronics) GUACAS Institute of Policy & Management Beijing China

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Assistant Professor, MSc. (Computer Engineering) Wayne State University, USA, 1989.

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Assistant , M.S (Telecom), George Mason, USA

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Assistant Professor, M.S (Engineering), BTH, Sweden

Mr. Imran Ahmed Awan

Assistant Professor, MSc (EE) NUST

Mr. Zahoor Uddin

Assistant Professor, MS Electronics (Continue) Air University Isb. BE Industrial Electronics PCSIR / NED UETKarachi.(2002)

Lahore

Dr. Saleem Akhtar

Associate Professor / HoD, PhD Computer Science & Networking (Specialization in Mobile Cellular Networks), National Superieure des Telecommunications (ENST), France

Dr. Intesar Ahmed

Assistant Professor, PhD Electrical Engineering, The University of Adelaide, Australia

Dr. Ejaz ahmed Ansari

Assistant Professor, PhD Electrical Engineering Asian Institute of Technology Bangkok

Dr. Khalid Jamil

Assistant Professor, PhD Electrical Engineering Ohio State University United States

Dr. Saquib Sarfraz

Assistant Professor, PhD, Computer Vision & Remote Sensing Technical University Berlin, Germany

Dr. Ali Nawaz Khan

Assistant Professor, PhD, Information & Communication Engineering Herbin Institute of Technology, China

Dr. Sobia Baig

Assistant Professor, PhD, Electronics Engineering GIK Institute of Engineering Sciences & Technology Pakistan

Mr. Muhammad Ali

Assistant Professor, M.Sc Electrical Engineering University of London, UK

Syed Khurram Zaidi

Assistant Professor, M.Sc Information & Communication Engineering University of Leicester, England, UK

M. Nadeem Rafique

Assistant Professor, MSc Electrical Engineering Data Communications, The University of Sheffield UK

Mr. M. Farooq i Azam

Assistant Professor, M.Sc Computer Science University of the Punjab Pakistan

Mr. Amir Rashid Ch.

Assistant Professor, MS Computer Science Computer Science, University of Engineering & Technology, Lahore, Pakistan

Mr. Haroon Ahmed Khan

Assistant Professor, MS Information Technology & Automation Systems, Esslingen University of Applied Sciences Germany

Mr. Yasser M. Siddiqi

Assistant Professor, M.Sc, Nuclear Power Engineering KINOPE, Karachi, Pakistan

Mr. Shahid Ayub

Assistant Professor, M.Sc, Electrical Engineering Hannover University, Germany

Mr. Ahmad Mudassir

Assistant Professor, M.Sc CS University of the PunjabPakistan

Mr. Muhammad Nadeem

Assistant Professor, M.Sc System On Chip Royal Institute of Technology (KTH), Kista, Sweden

Mr. Ejaz Ahmad Ansari

Assistant Professor, MS Digital Signal Processing Georgia Institute of Technology, Atlanta, USA

Mr. Ghulam Rasool Khokhar

Assistant Professor, BE, Industrial Electronics N.E.D University of Engineering & Technology, Kara Pakistan

Mirza Tariq Humayoun

Assistant Professor, M.Sc, Control Systems & Software Development, Eastern Mediterranean University, TRNC, Turkey

Hafiz Muhammad Asif

Assistant Professor, MS Computer Engineering King Fahd University of Petroleum & Minerals Saudi Arabia

Attock

Dr. Sherzada Khan

Chief Engineer, Ph.D in Flight Vehicle Design, Beijing University of Aeronautics & Astronautics, Beijing PR China.

Muhammad Fakhar-ud-Din

Assistant Prof, MS (Computer and Information System), University of Detroit Mercy, USA



Islamabad



Attotabad



Wah



Lahore



Attock

Department of Chemical Engineering

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 planning to start with 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 are being established to carry out the most recent research and development in these three areas.

Academic Programs

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

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:

1. Oil & gas production and processing
2. Fundamentals of Environmental processes
3. Textile Processing
4. Fuel Cell Technology
5. Polymer & Rubber Technology
6. Composite Materials
7. Nanotechnology
8. 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. We are sure that the rigorous degree requirements will ensure availability of high caliber graduates who will be absorbed at the earliest in the industry that desperately seeks well trained professionals.

Quick Program Facts

Programs	BS(ChE)
Eligibility	Intermediate with Pre-Engineering or equivalent, with minimum 50% marks, or DAE in the relevant field with minimum 60% marks, from an accredited institution.
Session	Spring and Fall
Semesters	8
Number of Years	Four Years
Credit Hours	140

Senior Faculty Members

LAHORE

Dr. Amjad Hussain Dilawari

Professor / Intcharge, PhD, Chemical Engineering,
University of London, United Kingdom

Dr. Moinuddin Ghauri

Associate Professor/chairman, PhD, Chemical Engineering,
University of Sheffield, United Kingdom

Dr. Pervez Khalid Butt

Advisor, PhD, Chemistry
Imperial College, London University United Kingdom

Dr. Mohammad Shamim Sabir

Advisor PhD, Fuel Technology, University of Strathclyde,
Glasgow, Scotland, United Kingdom

Dr. Nasir Mahmood

Assistant Professor, PhD Polymer & Surface Chemistry
Martin Luther University Halle Wittenberg, Germany

Dr. Muhammad Nadeem Kardar

Assistant Professor, PhD, Chemistry University of Karachi,
Pakistan

Dr. Asad Ullah Khan

Assistant Professor, PhD, Chemical Engineering
Imperial College London, United Kingdom

Dr. Anwar ul Haq

Assistant Professor, PhD, Organic Chemistry & Physical
Chemistry, Ivanovo State University of Chemistry &
Technology, Russian Federation

Dr. Murid Hussain Malik

Assistant Professor, PhD, Chemical Engineering
Korea Advanced Institute of Science & Technology
Korea (South)

Dr. Shazia Khan

Assistant Professor
PhD Chemistry, University of Karachi, Pakistan

Dr. Zulfiqar Ali Assistant Professor

PhD Polymer Technology, Martin Luther University Halle
Wittenberg, Germany

Mr. Aqeel Ahmad Bazmi

Assistant Professor, M.Engg Chemical Mehran University
of Engineering & Technology, Karachi

Mr. Javed Ahmad

Assistant Professor, MS Engineering & Internet-working
Dalhousie University, Halifax, Canada

Mr. Moazim Gulzar

Assistant Professor, MS Computer Science, University of
Engineering & Technology, Lahore

Mr. Muhammad Ajmal

Assistant Professor, M.Sc Process Engineering, Technical
University Hamburg Germany



Lahore

Department of Mechanical Engineering

Under the visionary senior management, it was decided to establish the Department of Mechanical Engineering at CIIT Sahiwal Campus. The mechanical engineering graduates of COMSATS Institute of Information Technology (CIIT) choose from a wide array of career paths, demonstrating that the degree is an excellent launching pad for a rewarding professional life. Currently mechanical engineering graduates are pursuing divergent careers in medicine, software design and environmental engineering in addition to the traditional mechanical engineering fields such as heat transfer, fluids, manufacturing and fracture mechanics.

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

Our 4-year intensive undergraduate programs combine a broad-based education in the engineering sciences with a strong grounding in quantitative, problem-solving, design, and communications skills. By emphasizing both analytical and creative methods, the program gives students the broad skills they need to pursue their goals whether working as an engineer, founding a company, continuing on to graduate study and research. This undergraduate degree program prepares students for professional practice in an era of rapidly advancing technology. The program combines a strong base in the engineering sciences (mechanics, materials, fluid and thermal sciences, systems, and control) with project-based laboratory and design experiences. All strive to help students develop independence, creative talent, and leadership, as well as the capability for continuing professional growth.

Learning Enhancing Activities

At present the Department of Mechanical Engineering is running the following activities to help both the faculty members and its prospective students:

- A faculty development program is going on in which two faculty members have been sent abroad for Masters Degrees.

- A seminar titled "Traffic modeling and planning control" was arranged.
- A Memorandum of Understanding was 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.
- The department has also initiated industrial research projects.

Senior Faculty Members

Sahiwal

Dr. Riaz Mirza

Professor, PhD

Azam Sana Khan

Assistant Professor, MS

Mudassar Khalil

Assistant Professor, MS



Sahiwal

FACULTY OF INFORMATION SCIENCES & TECHNOLOGY

Department of Computer Science

The Department of Computer Science was established in 1999 at Islamabad and enrolled the pioneer students in Fall 1999. The department made modest beginning and is now proud of its excellent facilities and internationally qualified faculty members along with its peer departments at Lahore, Wah, Abbottabad, Attock and Sahiwal. These departments were established in April 2002, September 2001, and September 2007 respectively. The Department aims to impart competitive skills in effective development and application of modern technology. We groom our students as excellent programmers, outstanding researchers, extraordinary analysts and innovative designers.

Academic Programs

1. Bachelor of Science in Computer Science: BS (CS)

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 purpose of this program is to produce graduates with a sound knowledge of computer science, contemporary technologies, and professional skills.

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

Telecommunication and Networking (TN) is aimed at catering to the human resource needs in the fast growing industry of Telecommunications and Networking. In TN the focus is on applying technology solutions to business problems in the telecom sector and it requires additional domain knowledge in communication and networks, along with a strong mathematical background.

3. Master of Computer Science: MCS

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.

Quick Program Facts

Programs	BS(CS)	BS(TN)	MCS
Eligibility	Intermediate or equivalent, with minimum 50% marks, from an accredited institution.	Intermediate or equivalent, with minimum 50% marks, from an accredited institution.	Graduation or equivalent, with minimum 50% marks, from an accredited institution.
Session	Fall and Spring	Fall and Spring	Fall
Semesters	8	8	4
Number of Years	Four Years	Four Years	Two Years
Credit Hours	136	136	72



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 area which enables them to apply this knowledge in practical work settings. Our fruitful linkages 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 content is 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 competitiveness. Leading institutions and organizations in Pakistan and abroad seek CIIT 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 in the students. VisioSpark, 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), that are organized by CIIT Islamabad, CIIT Attock & CIIT Abbottabad campuses, 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 funded by CIIT, HEC and self-support.

programs Planned to be offered in future by Computer Science Department:

Department of Computer Science is planning to launch specializations BS degree for students in the following fields:

- 1) BS - Computer Networks
- 2) BS - Software Engineering
- 3) BS - Artificial Intelligence
- 4) BS - Database Systems
- 5) BS - Information Systems
- 6) BS - Software Development
- 7) BS- Information Technology

All these specializations will be offered in the sequence of Elective courses that will be offered from the sixth semester onwards.

Health Informatics Unit

In February 2007 Health Informatics Unit at CIIT began educating health professionals in the Health Informatics Master's degree program.

Capitalizing on the initial success, the newly designed Health Informatics Program now offers unique and comprehensive Medical graduates and Allied health professionals training program in Health Informatics introduced first time in the country as a pioneering program. The mission of the multidisciplinary Health Informatics Program is to 'develop health care systems as information environments'. A useful model of the emergence of informatics is to consider the different roles of clinicians, management and IT services in health care. The objective is to provide a strong scientific education that includes theory, specialized knowledge and practical skills. It is through cooperation with healthcare institutions that a close connection of theory and practice is achieved. International courses, which are carried out together with other renowned universities are integrated into the education. Here, students not only acquire knowledge about healthcare systems from other nations but also learn to work together at an international level.

Health Informatics studies at CIIT benefit from a stimulating, high level environment of research and education. Intensive collaboration with Health Centres provides a close link to the practice of health care. Research collaboration between COMSATS Institute of Information Technology and University of Otago New Zealand have been quite active. The Health Informatics Unit is institutional Academic Member of the International Medical Informatics Association

(IMIA).The Health Informatics Unit has conducted the conferences and seminars as well. The First International Conference on Health Informatics was held in April 2007 in Islamabad. More than 280 participants attended the conference. Health Informatics Seminars were held in January 2007, at PIMS Islamabad, RGH/CMH Rawalpindi, Khyber Medical College Peshawar and Ayub Medical Complex Hospital in Abbottabad.

Senior Faculty Members

Islamabad

Dr. Sajjad Mohsin

Chairman, PhD (Hokkaido Institute) Japan

Prof. Dr. M. Mehboob Yasin

Professor, PhD (Open University Milton Keynes) UK

Dr. Romana Aziz

Associate Professor, PhD (UMIST), UK

Prof. Dr. Maqbool Uddin Sheikh

Foreign Faculty

Professor, PhD (University of Liverpool) UK

Dr. Khalid Rashid

Advisor, PhD (Nagoya University) Japan

Mr. Ikram-ul-Haq

Advisor, MS (University of Wales) UK

Mr. Zulqarnain Jaffery

Assistant Professor, MSc, Quaid-e-Azam University

Mr. Mukhtar Azim

Assistant Professor, MS (UET Taxila) Pakistan

Mr. Abdush Shakur

Assistant Professor, MS (CIIT, Islamabad) Pakistan

Dr. Nasro Min-Allah

Head Assistant Professor

PhD (Chinese Academy of Sciences, GUCAS), China

Dr. Manzoor Illahi Tamimy

Assistant Professor, PhD (Chinese Academy of Sciences, GUCAS), China

Ms. Rizwana Irfan

Assistant Professor, MS (CIIT, Islamabad) Pakistan

**Dr. Abid Khan**

Assistant Professor, PhD (HIT), China

Dr. Muhammad Asim Noor

Assistant Professor

PhD (Johannes Kepler University Linz) Austria

Dr. Shehla Abbas

Assistant Professor

PhD (University of Bordeaux), France

Dr. M. Farukh Munir

Assistant Professor, PhD (TELECOM Paris Tech.) France

Dr. Mansoor Ahmad

Assistant Professor, PhD (University of Vienna) Austria

Mr. Qasim Arshad Ch.

Assistant Professor

MS (New Jersey Institute of Technology), USA

Dr. Muhammad Tahir

Assistant Professor, PhD (TELECOM Paris Tech), France

Dr. Najmus Saqib

Assistant Professor, PhD (Institute of Computer Technology, Vienna University of Technology), Austria

Dr. Zia Ud Din

Assistant Professor

PhD (Asian Institute of Technology), Thailand

Dr. Shafaat A Khan

Advisor

MBBS, (Cairo) MPH, MD (New York University) USA

Mr. Omer Vikas

Assistant Professor, MEIT (UET, Taxila), Pakistan

Mr. Inayat Ur Rehman

Assistant Professor, MS (ZABIST) Islamabad

Dr. Shahid Nazir Bhatti

Assistant Professor

PhD (Johannes Kepler University Linz) Austria

Dr. Majid Iqbal

Assistant Professor, PhD (University of Vienna), Austria.

Mr. Muhammad Mustafa Khattak

Assistant Professor, MS (in progress) CIIT

Abbottabad**Dr. Sajjad Ahmed Madani**

Assistant Professor, HoD, Ph.D(Electrical Engg. & Info. Tech), Vienna University of Technology, Austria

Dr. Qazi Mudassar Ilyas

Assistant Professor, Ph.D(Info. & Comm. Engg.), Huazhong University of Science & Technology, Wuhan, China

Dr. Waqas Anwar

Assistant Professor, Ph.D(Computer Application Technology), Harbin Institute of Technology, China

Dr. Imran Ali Khan

Assistant Professor

Ph.D (Computer Science & Technology), Graduate University of Chinese Academy of Sciences, China

Dr. Danish Irfan

Assistant Professor, PhD (Computer Applications), Harbin Institute of Technology, China

Mr. Saadat Iqbal

Assistant Professor, M.Sc(Computer Science), Quaid-e-Azam University Islamabad

Mr. Aftab Ahmad

Assistant Professor, MSc (Computer Networking), University of Bedfordshire, UK.

Mr. Atif Nauman Jamil

Assistant Professor,MS (IT), University of Canberra, Australia

Mr. M. Tariq Baloch

Assistant Professor, M.Sc(Computer Science), Gomal University, Dera Ismail Khan

Mr. Ijaz Ahmed

Assistant Professor, MSc (Software Engineering), Queen Mary University of London, UK

Mr. Allah Bukhsh Sargano

Assistant Professor, M.Sc (Software Engineering), University of Sindh, Jamshoro

Mr. Tanveer Ahmed

Assistant Professor, M.Sc(Computer Science), Govt College University, Lahore

Mr. Jawad Haider KazimAssistant Professor,
MS (Computer Science),CIIT Abbottabad**Mr. Muhammad Shakeel**

Assistant Professor, MS (Computer Science), Korea Advanced Institute of Science & Technology, Korea

Mr. Naveed AliAssistant Professor
MS (Computer & Communication Networks), Institute National Des Telecom, France**Wah****Mr. Muhammad Sharif**Assistant Professor/HoD,
MS (CS) CIIT Islamabad MCS, Q.U Islamabad,**Dr. Ehsan Ullah Munir**Assistant Professor, PhD (Computer Software & Theory)
Harbin Institute of Technology China**Dr. Muhammad Wasif Nisar**Assistant Professor, PhD (Internet & Software Technology)
GUCAS Beijing China**Mr. Najmal Ikram Qazi**Assistant Professor
MCS, Quaid-i-Azam University Islamabad

Mrs. Mussarat Abdullah

Assistant Professor, MS Iqra University Islamabad. MCS, Peshawar University

Mr. Raiz Ahmed

Assistant Professor, MS (CS) CASE ISB. MSE, CIIT Islamabad.

Mr. Faisal Azem

Assistant Professor, MS (CS) CIIT Islamabad (2007).MCS, UAAR Rawalpindi.

Ms. Sulma Raseed

Assistant Professor, MS Iqra University Islamabad

Mr. Faisal Shafique Butt

Assistant Professor
MS CASE Islamabad, MSE, CIIT Islamabad.

Mr. M. Tariq Zafar Chishty

Assistant Professor, MCS Gomal University, D.I Khan

Lahore**Prof. Dr. M. Rafiq Asim**

Professor\Dean
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Dr. J.S.Mirza

Advisor, PhD, Electrical Engineering Salford University United Kingdom

Dr. Muhammad Ahitesham Aslam

Assistant Professor, PhD Computer Science University of Leipzig, Germany

Dr. Rizwan Jameel Qureshi

Assistant Professor, PhD
Computer Science, NCBA&E, Pakistan

Mr.Faisal Tehseen Shah

Assistant Professor, MBA Business Administration Sam Houston State University, Texas, United States

Mr. Nadeem Ghafoor Chaudary

Assistant Professor, MS Computer Science
University of Massachusetts, Lowell United States

Mr. Rizwan Qureshi

Assistant Professor, MS Computer Science COMSATS Institute of Information Technology, Lahore, Pakistan

Mr. Abdul Karim Shahid

Assistant Professor, M.Sc Information Technology University of Keele, United Kingdom

Mr.Aman Ullah

Assistant Professor, M.Sc Computer Science University of Engineering & Technology, Lahore, Pakistan

Mr. Rizwan Ahmad

Assistant Professor, MS Information Technology National University of Sciences & Technology (NUST)

Mr.Muhammad Umair

Assistant Professor, M.Sc, Computer Science Quaid-I-Azam University, Islamabad Pakistan

Mr. Ghulam Rasool

Assistant Professor, M.Sc Computer Science Bahauddin Zakariya University, Multan Pakistan

Mr. Tayyeb Amin

Assistant Professor, M.Sc Computer Science University of the Punjab Pakistan

Mr. Khurram Shahzad

Assistant Professor, M.Sc Engineering & Management of Information Systems Royal Institute of Technology (KTH) Sweden

Attock**Ch. Anwar Shaukat**

Assistant Professor, Master of Information Technology, University of Canberra, Australia

Ibrar Hussain

Assistant Professor, MS (Queen Mary University) London

Zohair Ihsan

Assistant Professor, MS (CS), CIIT Wah

Sahiwal**Azhar Manzoor**

Assistant Professor, PhD

Dr. Abdul Rauf Nizami

Assistant Professor, PhD

Hammad Mushtaq

Assistant Professor, MS

Vehari**Malik Muhammad Ali Shahid**

Assistant Professor



Islamabad



Abbottabad



Wah



Attock



Lahore



Sahiwal

FACULTY OF SCIENCE

In the Faculty of Science, you discover the power of scientific inquiry and develop your ability to conduct research, hypothesize, model and test ideas. The size and scope of CIIT's Faculty of Science gives you the opportunity to discover a remarkable diversity of innovative ideas. You gain an education with both breadth and depth, learning from brilliant scientists who encourage original thinking. The Faculty of Sciences is managing six departments i.e. the Department of Bio-Sciences, Department of Chemistry, Department of Environmental Sciences, Department of Mathematics, Department of Meteorology and Department of Physics..

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 if it wants to compete. 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. 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 programs leading to the degree in Bioinformatics and MS in fields of

Biochemistry, Molecular Biology and Microbiology. 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, Developmental Biology & Bioinformatics. The Department of Biosciences was established at the CIIT Islamabad Campus in 2003 with the successful launch of a BS Program in Bioinformatics, followed recently by the introduction of another BS Program in Biosciences. In view of this, CIIT has recently taken the initiative by establishing the Biosciences department in 2003 and introducing a 4 year degree program in Bioinformatics at Islamabad. In addition, CIIT has also initiated a 4 year program from the fall of 2007. This new program perfectly aligns with already established graduate study program offered by Biosciences department. CIIT in this regard will be the first institution to offer such a program in and around Islamabad.

Objectives/Outputs

The overall objectives of the degree programs are:

1. To develop a team of qualified teachers and researchers in the fields of Bioinformatics and Biosciences, so that this new field of science takes roots in this country
2. To undertake research and improve the quality of teaching in various fields of Bioinformatics and Biosciences
3. To initiate industry based research programs especially in the area of human health, e.g. diagnostics, vaccine development, drug development etc.
4. As a result of such programs the students would have better opportunities to get higher education in Biosciences in an improved learning environment. We are sure that our graduates will be contributing in the socio-economic development of the country.

Academic Programs

1. Bachelor of Science in Bioinformatics: BS (BI)

The course outline aims 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;
- The ability to be adept at working effectively in multidisciplinary teams and valuing diverse points of view;
- Effective oral, written and interpersonal communication skills applicable to a wide range of audiences.

2. Bachelor of Science in Biosciences: BS(BS)

The CIIT has taken initiative and launched a degree program in the field of Biosciences. The program perfectly aligns with the already established graduate study program offered by Biosciences department.

Quick Program Facts

Programs	BS(BI)	BS(BS)
Eligibility	Intermediate with Pre-Medical or equivalent, and minimum 50% marks, from an accredited institution.	Intermediate with Pre-Medical or equivalent, and minimum 50% marks, from an accredited institution.
Session	Fall semester only.	Fall semester only.
Semesters	8	8
Number of Years	Four Years	Four Years
Credit Hours	137	137

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 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 for 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 the private/ government organizations. There would be a great demand for graduates in Biotechnologies. 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.

Future Plans:

Graduate programs in:

- Bioinformatics
- Biotechnology
- Plant Sciences
- Establishment of a Biofertilizer Development Production Center
- Production of bioinoculants & biopesticides for leguminous /non-leguminous crops
- Establishment of botanical gardens for the study, preservation, and maintenance of local flora and fauna
- Establishment of an Advance Center for Bioinformatics to:
 1. carry out research and develop tools for analysis of biological data related to animal and plants
 2. conduct genomics and proteomics research related to the agricultural and medical needs of the local population
 3. Establish and maintain gene banks specific to our population



Senior Faculty Members

Islamabad

Dr. Shahzad Mufti

Advisor, PhD

Dr. Raheel Qamar

Dean, Faculty of Sciences, PhD

Dr. Shahid Nadeem Chohan

Foreign Prof, PhD

Dr. Fauzia Yusuf

Chairperson, PhD

Dr. Farah Mustafa

Foreign Professor, PhD

Dr. M.A. Kayani

HoD Assistant Professor, PhD

Dr. Rani Faryal

Assistant Professor, PhD

Dr. Syed Habib Bukhari

Assistant Professor, PhD

Dr. Asifa Ahmed

Assistant Professor, PhD



Islamabad

Dr. Kausar Nawaz Shah

Assistant Professor, PhD

Dr. Asif Mir

Assistant Professor, PhD

Dr. Israr Ahmad Khan

HEC Professor, PhD

Dr. Ilham Shahmuradeu

Foreign Professor, PhD

Nazim Rehman

Assistant Professor, MS

Muaz Naizi

Assistant Professor, MS

Dr. Zeshan Hayder

Assistant Professor, PhD

Sahiwal

Dr. Shazia Mannan

Assistant Professor, PhD



Sahiwal

Department of Chemistry

Chemistry is one of the major disciplines of sciences, which consists of several sub disciplines that form connection with other sciences to spawn new fields. Traditionally Chemistry has five main branches but these long ago formed connections with other branches such as chemical physics, Physical-Organic, bioinorganic Chemistry, pharmaceutical chemistry, Environmental Chemistry etc. Chemical principles apply to many other specialties from medicine and pharmacology to art restoration and criminology, from genetics and space research to archaeology and oceanography. Chemistry furnishes much of the material which is the basis of modern civilization. Chemists are the constant source of innovation for its further benefit. It is hard to imagine that any product introduced in recent times do not require the creative efforts of a chemist at some stage in its development. Through the formulation of petrol to antibiotics and other pharmaceuticals, from genetics to human health, and from environmental control to information technology, chemists play a key role in shaping our modern world. They synthesized crop-enhancing agricultural chemicals to ensure a constant and viable food supply. They played a significant role in the eradication of deadly diseases by developing life-saving medicines. The 20th century saw several industrial revolutions resulting from new materials created by chemists for example plastics, the liquid crystal display of computer, the etching process that made microchip technology possible, and many developments in medicine - antibiotics, DNA technology, etc. The list is endless and we can expect many more civilization changing discoveries in this century like molecular machines, molecular opto-electronics, new magnetic and superconducting materials, molecular medicine, fuel cells, hydrogen storage - many of which are the subjects of active research in this discipline. In short, it would be fair to state that Chemistry is one of the most significant scientific disciplines that can boost economic growth and reinforces the national development. Keeping the immense importance of the subject of Chemistry CIIT Abbottabad has established Department of Chemistry which presently offers only graduate degree in Chemistry.

Senior Faculty Members

Dr. Abdur Rehman Khan

Professor, PhD(Water & wastewater treatment),UK

Dr. Rehana Rashid

Professor, Chairperson and Head of Department, PhD(Synthesis of Composite Materials),Luther University Halle, Germany

Dr. Muhammad Riaz

Associate Professor, PhD (Medicinal Chemistry), HEJ Research Institute of Chemistry, Karachi University

Dr Abida Khan

Assistant Professor, PhD (Organometallic Chemistry), Quaid-i-Azam University Islamabad

Dr Umar Farooq

Assistant Professor,
(On Study Leave), PhD (Organic / Medicinal & Synthetic Chemistry), HEJ Research Institute, Karachi

Dr. Ather Farooq Khan

Assistant Professor
PhD (Organometallic Chemistry/Hetero-cyclic Chemistry), Vienna University of Technology, Austria.

Dr. Afsar Khan

Assistant Professor
PhD (Natural product ChemisTtry), HEJ Research Institute of Chemistry, University of Karachi, Karachi



Abbottabad

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.

Quick Program Facts

Programs	BS(ES)	BS(Earth Sceinces)
Eligibility	Intermediate with science or equivalent, and minimum 50% marks, from an accredited institution.	For Geology Major For Geophysics Major
Session	Fall and Spring semesters	Fall and Spring semesters
Semesters	8	8
Number of Years	Four Years	Four Years
Credit Hours	135	132

Established in 2004 at the CIIT's Abbottabad Campus, the Department of Environmental Sciences has become a hub for interdisciplinary graduate studies and research, and advocacy on environmental issues. The department has diverse faculty with international education and expertise.

Academic Programs

1. Bachelor of Science in Environmental Sciences: BS(ES)

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.

2. Bachelor of Science in Earth Sciences: BS(Earth Sciences)

Keeping in view the importance and the growing demand for earth scientists and professionals, the Department has initiated a bachelor's degree in Earth Sciences.

Relevance of Program

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.

Research degree programs aim to train researchers from a variety of backgrounds, as well as to establish a research base with following objectives:

- a. Developing internationally recognised capabilities in the specific needs within Pakistan;
- b. Promoting the integration of environment, sustainability, resources development in education;
- c. Preparing and delivering tailored courses for industrial, public and private sectors;
- d. Establishing centres for specialised research and training for energy & environment, biotechnology and consultancy.

Learning Enhancing Activities

In pursuit of its objectives, the Department of Environment Sciences had organized "First International Conference on "Environmentally Sustainable Development" in 2005. Over 350 delegates including 50 from 23 countries attended the conference. The 2nd International Conference ESDev-2007 was held in August 2007. Over 300 participants including 50 from overseas attended the conference. The Department, since its establishment in 2004 has published over 70 research and review articles in renowned Journals and presented at international conferences.

CIIT Abbottabad, Tribhuvan University (TU) Nepal and Norwegian University of Life Sciences (UMB) Norway, jointly applied and won a NORDAD MASTER (NOMA) competition. This unique Master degree program will be called "Sustainable Water Sanitation Health and Development". A major component if the program is MS, scholarships for CIIT and TU. A total of 45 scholarships will be distributed between CIIT and TU in three cohorts (15 scholarships every year) during four years of the program.

The other components of the program include institutional development, staff development and administrative support, travel expenditure, salary expenses and other collaborative cost. The program will be sponsored by the Norwegian government for four years costing a total of round 6 million Norwegian Kroner or about 70 million PKR and shall be jointly implemented by CIIT, TU and UMB.

CIIT Abbottabad will get at least PKR 13.5 million in scholarship form. The program is timely and badly needed as more than one billion people are lacking access to safe water and nearly half of the world population needs improved sanitation. This program will educate and train professionals in the field of sustainable water and a sanitation

system to facilitate improved access to a healthy environment. The program will foster enterprising and proactive team players committed to achieving the Millennium Goals with respect to water and sanitation.

Senior Faculty Members

Abbottabad

Dr. Iftikhar A. Raja

Professor, Foreign Professor, Ph.D (Renewable Energy), UK

Dr. Muhamamd Ahmad Farooqui

Professor, Chairman, Ph.D (Earth Sciences), USA

Dr. Muhammad Maroof Shah

Foreign Professor

Ph.D (Molecular Genetics and Bio-Technology), USA

Dr. Javaid Jahan Baluch

Professor, Ph.D (Radiation Physics), Pakistan

Dr. Ishtiaq Jadoon

Professor, Ph.D (Earth Sciences), USA

Dr. Robina Farooq

Associate Professor, PhD (Environmental Engineering), China

Dr. Mustafa Nawaz Shafqat

Assistant Professor, Ph.D (Soil Chemistry), USA,

Dr. Amjad Hassan

Assistant Professor, Ph.D (Biotechnology), Japan

Dr. Bahadar Nawab

Assistant Professor

Ph.D (Env. & Development Studies), Norway,

Dr. Raza Ahmad

Assistant Professor, Ph.D (Plant Genetic Engineering) Korea

Dr. Qaisar Mahmood

Assistant Professor,

Ph.D (Environmental Engineering), PR China

Dr. Abdul Mateen Awan

Assistant Professor, PhD (Medical Microbiology) UK

Dr. Amjad Sabir

Assistant Professor,
Ph.D(Hydrology), University of Peshawar

Dr. Tahir Amin

Assistant Professor,
PhD (Environmental Engineering), South Korea

Dr. Romana Taous

Assistant Professor, PhD (Environmental Sciences), South Korea

Dr. Jamshed Iqbal

Assistant Professor, PhD (Biotechnology) Italy

Mr. Zulfiqar Ahmed Bhatti

Assistant Professor, M.Sc (Food Engineering): M.Sc
(Environmental Sciences), Belgium

Mr. Muhammad Arfan

Assistant Professor, PhD (Chemistry), Pakistan

Dr. Yusra Pervez

Assistant Professor, MBBS, Pakistan

Dr. Muhammad Tariq

Assistant Professor
Consultant, PhD (Petroleum Geology), Pakistan

Dr. Muhammad Farooq

Assistant Professor, PhD (Geophysics), Pakistan



Abbottabad

Department of Mathematics

The Department of Mathematics was established in 2001 at Wah & 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). From Fall 2004 it started an MS leading to Ph. D program in Mathematics as well.

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. The Department endeavors to educate its students by providing them exposure to real-life problems, and inculcated in them a problem solving approach. They are encouraged to explore, solve problems, break new grounds, and cultivate leadership qualities.

Quick Program Facts

Program	BS(Math)
Eligibility	Intermediate or its equivalent, with mathematics having minimum 50% marks.
Session	Fall semester only.
Semesters	8
Number of Years	Four Years
Credit Hours	133

Relevance of Program

Our BS degree in Mathematics envisage preparing students with suitable qualifications for related jobs for teaching, research and managerial positions. The graduates have the opportunity to complete MS and Ph.D from CIIT in Pure, Applied and Computational Mathematics. Besides teaching, the graduate can take up the jobs in any R & D organization,

Academic Programs

1. Bachelor of Science in Mathematics: BS (Math)

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 endeavor. Graduates of Mathematics will demonstrate expertise in a number of areas like scientific computing, mathematical modeling, 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.

financial institutions and can move to other disciplines like economics, actuarial sciences, management sciences and engineering with a strong background in mathematics.

Major Research Areas:

Fluid Mechanics, Numerical Optimization, Numerical Analysis, Variational Inequalities & Equilibrium Problem,

Convex and Nonlinear Analysis, Complex Analysis, Geometric Function Theory of One Variable, Heat & Mass Transfer, Computational Fluid Mechanics, Hyperbolic Conservation Laws, Topology and Modeling and Simulation.

Research Groups:

- Fluid Mechanics
- Numerical Analysis & Optimization
- Complex Analysis, Geometric Function Theory of One Variable
- Modeling and Simulation
- Integral Inequalities

Research Publications in International Journals

Year	No. of Publications
2005-06	84
2006-07	128

Distinctions of the faculty

The department has world renowned leading mathematician. They have the distinctions like: among top ten mathematics of OIC countries, Fellows Pakistan Academy of Sciences, recipients of civil awards etc.

Future Plans

- To introduce academic programs such as :
Industrial Mathematics
Financial Mathematics
Bio-Mathematics
Actuarial Mathematics
- To develop centers of excellence in research areas such as :
Fluid Mechanics (analytical & computational)
Computational Mathematics
Complex Analysis
Numerical Mathematics
- Strengthening research collaboration with international community

- Promotion of interdisciplinary research
- Development of mathematics-industry linkage
- To attract foreign students for graduate studies
- To initiate a training program for GRE Mathematics (ETS)
- Submission of Research Projects
- To establish linkages with foreign Universities

Senior Faculty Members

Islamabad

[Dr. Moiz ud Din Khan](#)

Associate Professor/ HoD
PhD, Pakistan, BZ University

[Prof. Dr. Saleem Asghar](#)

Eminent Professor
PhD, Pakistan Quaid-i-Azam, University

[Prof. Dr. Aftab Khan](#)

Professor PhD, Pakistan Quaid-e-Azam University

[Prof. Dr. Tahira Haroon](#)

Professor PhD, Pakistan, Quaid-e-Azam University

[Prof. Dr. M Aslam Noor](#)

Foreign Professor
PhD, UK Brunel University of UK

[Prof. Dr. Khalida Inayat Noor](#)

Foreign Professor, PhD UK University of Wales

[Prof. Dr. Anwar Hossain](#)

Foreign Professor, PhD, Bangladesh, University of Dhaka.

[Dr. Shams ul Qamar](#)

Associate Professor PhD, Germany University Magdeburg,

[Dr. Akbar Azam](#)

Associate Professor, PhD, Quaid-e-Azam University, Pakistan

[Prof. Dr. Noor Muhammad Larik](#)

Advisor, PhD, University of Southampton, UK

[Prof. Dr. Rashid Ahmad](#)

Advisor, PhD, Canada Queens University

Dr. Akhtar Hussain

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

Prof. Dr. Nazir Ahmad Mir

PhD University Hamburg, Germany

Dr. Mahmood ul Hassan

Assistant Professor, PhD, Brunel University, UK

Dr. Farkhanda Ikhlaq

Assistant Professor, PhD, Kagoshina University, Japan

Dr. Maqsooq Anwar

Assistant Professor, PhD, NCBA&E, Pakistan

Dr. Saeed Islam

Assistant Professor,

PhD, Chinese Academy of Sciences, China

Dr. Ishtiaq Ali

Assistant Professor

PhD, Chinese Academy of Sciences, China

Dr. Abdullah Shah

Assistant Professor

PhD, Chinese Academy of Sciences, China

Dr. Rauf Ahmed

Assistant Professor, PhD, University of Gottingen, Germany

Dr. Sobia Sultana

Assistant Professor

PhD, SMS, Lahore, Pakistan

Abbottabad

Dr. Dost Muhammad

Advisor, PhD (Topology), University of Michigan, USA

Dr. Mir Asadullah

Advisor, PhD (Fluid Mechanics) University of Essex UK

Mr. Adam Khan

Advisor, MS (Statistics), Colorado State University, USA

Dr. Madad Khan

Assistant Professor, M. Phil (Gold Medallist), PhD (Group Theory & Generalizations), Quaid-i-Azam University, Islamabad (Serving as In-charge Mathematics)

Mrs. Hasina Khan

Assistant Professor, M.S (Fluid Mechanics), CIIT Abbottabad.

Mr. Ali Ahmad Farooq

Assistant Professor, M.Phil. (Fluid Mechanics),

Quaid-e-Azam University, Islamabad.

Mrs. Naila Kalsoom

Assistant Professor

MS (Fluid Mechanics) CIIT, Abbottabad (On Leave)

Dr. Usman Ashraf

Assistant Professor

PhD (Functional Analysis), ASSMS (GCU Lahore)

Dr. Zahid Ahmad

Assistant Professor

PhD (General Relativity), Punjab University, Lahore

Dr. Abdul Sami Awan

Assistant Professors

PhD (Functional Analysis), ASSMS (GCU Lahore)

Dr. Sultan Hussain

Assistant Professor

PhD (Mathematical Finance), ASSMS (GCU Lahore)

Dr. Saqib Hussain

Assistant Professor

PhD, (Geometric Function Theory), CIIT Islamabad

Dr. Asghar Khan

Assistant Professor, PhD, (Fuzzy Algebra), Quaid-i-Azam

University, Islamabad

Mr. Syed Zulfiqar Ali

Assistant Professor, M.Sc. (Mathematics), University of

Peshawar (on study leave, MS-continue, CIIT Abbottabad)

Wah

Dr. Rahim Dad Khan

Associate Professor/HoD, PhD, Shanghai University of

Science & Technology China

Dr. Akmal Javaid

Assistant Professor, PhD (Computational Mathematics)
GUACAS Institute of Policy & Management Beijing China

Mr. Abdul Salam Quddus

Advisor (Academic), MS (Advance Math) Actuarial Science
Illions University USA 1976, PGD (Stat) Karachi University

Mr. Badar Suleman

Assistant Professor
M. Phil, Quaid-e-Azam University Islamabad

Lahore**Prof. Dr. Ghulam Qanber Abbasi**

Professor / HoD, PhD Mathematics Moscow State
University, Russian Federation

Dr. Muhammad Qaiser Shahbaz

Associate Professor,
PhD Statistics, NCBA&E, Lahore, Pakistan

Dr. Muhammad Arif Rafiq

Assistant Professor, PhD Mathematics, Bahauddin Zakariya
University, Multan, Pakistan

Dr. Shahadat Ali Taj

Assistant Professor,
PhD Mathematics, Brunel University, United Kingdom

Dr. Kashif Ali

Assistant Professor, PhD Mathematics Government College
University, Lahore Pakistan

Dr. Imran Ahmed

Assistant Professor, PhD Mathematics Government College
University, Lahore Pakistan

Dr. Imran Siddique

Assistant Professor, PhD, Mathematical Physics Government
College University, Lahore

Dr. Hani Shaker

Assistant Professor, PhD Mathematics Government College
University, Lahore Pakistan

Dr. Sarfraz Ahmad

Assistant Professor, PhD Mathematics Government
University Lahore Pakistan

Dr. Muhammad Hussain

Assistant Professor, PhD Mathematics, Government
University Lahore, Pakistan

Dr. Saman Shahbaz

Assistant Professor, PhD Statistics NCBA & E, Lahore Pakistan

Dr. Tajammal Hussain

Assistant Professor
PhD T.Q.M University of the Punjab Pakistan

Dr. Imran Anwar

Assistant Professor PhD Mathematics Government College
University, Lahore Pakistan

Dr. Tariq Javed Zia

Assistant Professor, PhD Mathematics Chinese Academy of
Sciences, Beijing, China

Dr. Hafiz Abdul Wajid

Assistant Professor
PhD Mathematics, University of Strathclyde, UK

Mr. Majid Hassan Khattak

Assistant Professor, Masters, Applied Mathematics
University of New South Wales, Sydney, Australia

Syed Muhammad Irfan

Assistant Professor, M.Sc Total Quality Management
University of the Punjab Pakistan

Mr. Irfan Yousaf

Assistant Professor, M. Phil Mathematics University of the
Punjab Pakistan

Mr. Muhammad Mohsin

Assistant Professor
M. Phil Statistics University of the Punjab Pakistan

Mr. Muhammad Yousaf

Assistant Professor
M.Sc Mathematics University of the Punjab Pakistan

Mr. Hassan Mahmood Chohan

Assistant Professor M.Sc Physics University of the Punjab

Mr. Muhammad Rafiullah

Assistant Professor, M.Sc Mathematics Shah Abdul Latif
University, Khairpur, Pakistan



Islamabad



Abbottabad



Wah



Lahore

Department of Meteorology

Keeping in view the importance of education and research in the field of Atmospheric Sciences for the social, cultural and economic development of the country, CIIT started MS/PhD program in the field of Meteorology in 2005. The subject has recently gained importance in the local context, and is related to the exploration of the upper atmospheric and earth sciences. Furthermore, the department of Meteorology is offering various preliminary courses for undergraduates in conjunction with the Department of Physics for the last two years.

Relevance of Program

The role of Meteorology can be attributed to breakthrough in related areas of Mathematics, Physics, Engineering, and Technology. At the beginning of the 20th century, Meteorology began to take more rapid strides. The relevance of the Meteorological research encompasses the observation, numerical modeling, and prediction of weather system such as hurricanes, severe storms, and heavy snow events. The other end of strip includes the research in diverse areas as atmospheric dynamic, atmospheric chemistry, atmospheric electricity, climate modeling, climate change, turbulence, planetary atmospheres, precipitation physics, and sun-earth interactions. Interdisciplinary research efforts include focus on national initiatives in earth system science, global change, acid rain, ozone hole, and several other areas of concern. These facets of research corridors are streamlined with the help of advanced weather prediction equipments, technology like satellite remote sensing and tools like GIS. The applications of the subject are directly related to the social and economic development spheres of our country. The manpower trained at the institute can serve in Pakistan Meteorological Department (PMD), Water and Power Development Authority (WAPDA), National Development Complex (NDC), Atomic Energy Commission, Aviation

department, Pakistan Army, Pakistan Air Force, and Pakistan Navy.

Keeping in view the importance and application of the field of Meteorology the COMSATS Institute of Information Technology started MS/PhD program in this subject in 2005. The main objective of this program is to produce scientists, which could meet the future challenges in the field of Meteorology. The overall research goal of the department of Meteorology is to understand the basic mechanics that control the evolution of the atmospheric environment and climatology.

A linkage program between the CIIT and foreign institutions, sponsored by Ministry of Education, is being established to provide foreign training to our teaching and research staff and to obtain equipment, journals, books etc. The program will thus contribute in establishing the importance of the Department at international level. In order to promote the atmospheric sciences in our country, conferences, periodic seminars, and workshops are organized in the CIIT. This Department is first of its kind in Pakistan and plans to provide its services to other Muslim countries of the region.

Learning Enhancing Activities

The Department of Meteorology has arranged several seminars, conferences, and workshops both at national and international levels.

Academic Programs

The Department of Meteorology is offering various courses at undergrad level since fall 2008 in collaboration with Department of Physics. The courses include Meteorology, Climatology, Satellite Remote Sensing, and Geographical Information System (GIS) from time to time. Main objectives of these courses are to equip students with basic Meteorological factors at BS level.



Laboratory Facilities

The Department of Meteorology is working in collaboration with Pakistan Meteorological Department (PMD) and currently has lab facilities related to the disciplines of Meteorology, Remote Sensing, GIS, and Astronomy.

The main purpose of the laboratories setup is to equip the students with software computing tools and provide them with hands-on applied learning perspectives. Moreover, the laboratories are up to date with the advanced software and database for analyzing the scenarios spatially and temporally. The detail of these laboratories are epitomized below:

Automatic Weather Station

Department of Meterology has installed its exclusive state of the art Automatic Weather Station. This weather station is fully capable to monitor all weather events round the clock as well as records the phenomena digitally and keeps self-record offering research opportunites. It also offers hands-on training to promising researchers, students, as well as the folks.

In addition to exclusive Automatic Weather Station of Department of Meteorology, students also use the facilities and laboratories at Pakistan Meteorological Department (PMD) during their research and studies. Mainly weather RADAR System, Seismic Forecasting Centre, Synoptic Weather Unit, and Numerical Analysis Laboratory are available to the benefit of students at Department of Meteorology.

Remote Sensing Laboratory

Department of Meteorology provides advanced softwares and high-tech equipment to the researchers and students for their research work in remote sensing and associated fields. Department of Meteorology is currently using the following softwares and equipments to train its students.

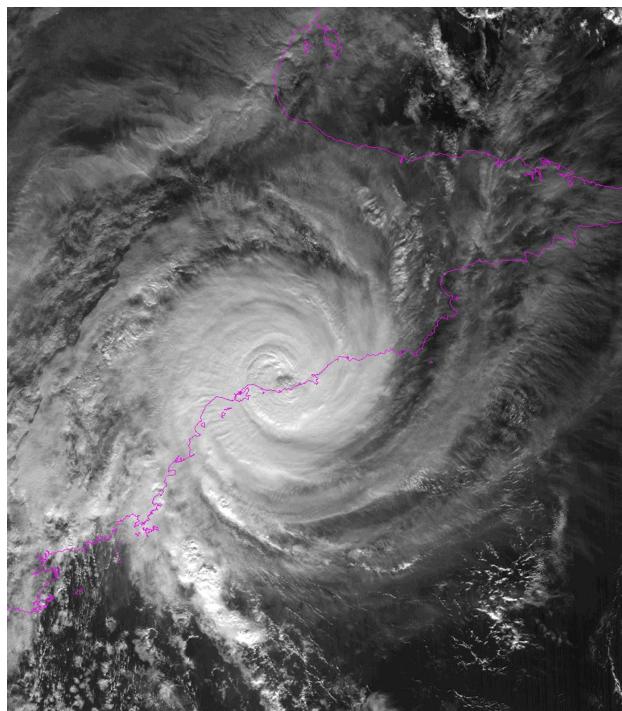
- ERDAS
- ER Mapper 6.4

- Scanner
- Plotter
- PC Systems
- Xeon Server Systems.

Geographic Information System Laboratory

The laboratories at Department of Meteorology are also equipped with the softwares and tools paramount for geographical research. Following is the list of units useful in such research:

- Arc View 9.1
- Arc GIS
- Map Info
- Arc Info
- Auto Cad
- GPS



Astronomical Telescopes

The Department of Meteorology maintains an automatic 'MEADE 8 inch LX200-ACF' telescope and 'DSI PRO II' monochrome CCD Camera to monitor astronomical events and night time observations. These instruments offer a range of applications for researchers and amateur astronomers. There have been arranged moon sighting events at CIIT campus for the students and public in the past.

Future Plans

Besides MS/PhD Meteorology program, currently imparted at the Department of Meteorology, the Department plans to initiate MS program in Remote Sensing/GIS and BS Meteorology at undergrad level in future

Senior Faculty Members

Islamabad

Dr. Mohsin Jamil Butt

Chairman, Professor

PhD, University of London, UK

Prof. Dr. Gul Muhammad

Advisor, PhD, UK

Prof. Dr. M.A.K. Lodhi

HEC Foreign Professor, PhD, Physics

Dr. Ameer Haider Malik

HEC Foreign Professor

PhD, TU-Berlin, Germany

Dr. Abdul Ghaffar

Assistant Professor

PhD, University of the Punjab

Mr. Kalim Ullah

Assistant Professor (On study Leave), MPhil, University of the Punjab

Dr. Saeed Islam

Assistant Professor (Visiting), PhD

Mr. Ibraheem M. Pasha Khan

Lecturer (On study Leave)

M.Sc (Hons) Space Science

Mr. Ahmad Waqas

Lecturer (On study Leave)

M.Sc Space Science

Mr. Rashid Mehmood

Lecturer (On study Leave)

MS Meteorology, CIIT

Mr. Muhammad Farooq Iqbal

Lecturer, MS Meteorology, CIIT

Mr. Abdul Malik

Lecturer, MS Space Engineering,

Umeå University Sweden

Mr. Luqman Atique

Lecturer MS Space Engineering,

Umeå University Sweden

Mr. Muhammad Latif

Research Associate

MS Meteorology, CIIT



Islamabad

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 pharmacist, not only for the country, but also in the World where there is also a severe shortage of pharmacists. In view of the present and emerging needs of the pharmacy profession, COMSATS Institute of Information Technology has 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.

Mission statement

We are committed to improve the public health through quality and innovative pharmaceutical education, community service, and state-of-the-art research and discovery by producing World class and outstanding pharmacists and pharmaceutical scientists having the desired knowledge, skills and competencies to take up the upcoming challenges of future, through our scientifically integrated programs.

Focus areas

In order to fulfill the demand of pharmacists nationally and internationally, the department is offering a five years (10 semesters) Pharm - D (Doctor of Pharmacy) program. The department is focusing on the following fields:

- Pharmaceutics
- Pharmacognosy / Pharmaceutical Biology
- Basic Medical Sciences (Pharmacology, Physiology, Microbiology, Biochemistry)
- Pharmaceutical Chemistry
- Clinical Pharmacy

Academic Programs

Doctor of Pharmacy (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 and each semester runs for eighteen weeks. 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.



Quick Program Facts

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

Senior Faculty Member

Abbottabad

Dr. Izhar Hussain

PhD, Chairman, (Pharmaceutical Chemistry), Imperial College of Science, Technology & Medicine, London, UK

Dr. Qazi Najam us Saqib, PhD

Advisor, (Natural Products / Phytochemistry) University of Karachi, Pakistan

Dr Jamshed Iqbal

Associate Professor, PhD (Pharmaceutical Chemistry) University of Bonn, Germany

Dr. Taous Khan, PhD

Assistant Professor
(Biochemical Engineering / Pharmacognosy), Kyungpook National University, Korea

Dr. Abdul Jabbar Shah

Assistant Professor
PhD (Pharmacology), University of Karachi / Aga Khan University, Karachi, Pakistan

Dr. Sami Siraj

Assistant Professor
PhD, (Microbiology & Biochemical Pharmacology), China Pharmaceutical University, China

Dr. Khalida Mushtaq

Assistant Professor
MBBS, Nishtar Medical College, Multan, Pakistan.

Dr. Abdul Mannan

Assistant Professor
PhD (Biochemistry / Biotechnology), Quaid-e-Azam University, Islamabad, Pakistan

Dr. Muhammad Yasir

Assistant Professor, PhD (Molecular Microbiology), Gyeongsang National University, Korea



Abbottabad

Department of Physics

The Department of Physics is committed to excellence in both teaching as well as research and in promoting a culture of learning, scholarship, and scientific inquiry. The department was established in 2002 to prepare high-quality physicists equipped with a strong knowledge base and advanced technological & analytical skills. The first program offered was a four-year BS in Electronics from the Fall Semester 2003. The department now offers a four-year BS program in physics along with the BS in Electronics. The department is also running MS leading to PhD, and PhD programs in Materials Science, Micro- and Opto-electronics, High Energy Physics, Radiation Physics, Lasers and Applied Photonics, and Quantum Optics.

The schemes of studies offer a blend of general education including courses on communication skills, social sciences, management sciences, mathematics, and computer sciences, with core courses in physics as well as some physics electives. The physics courses have been designed with the aim of developing clear insights into the underlying physics with sound mathematical arguments, and to develop strong experimental skills. The path towards innovation and discovery is particularly emphasized. The programs provide the needed foundation for careers in industry as well as R & D organizations and the academia.

Academic Programs

1. Bachelor of Science in Electronics BS(Elec)

This is a four-year degree program with emphasis on producing scientists in the field of Physical Electronics. The students are trained in the art of electronics giving them insights into the workings of the semiconductor devices, integrated circuits, and digital electronics. They start working on their own projects as early as the fourth semester. Specializations in communications, control electronics (industrial), and microelectronics.

2. Bachelor of Science in Physics (BS Phy)

This four-year degree program is designed to prepare students for the latest developments in physics and allied technologies. Special attention is paid to a clear understanding of the fundamental concepts and analysis based on sound mathematical arguments covering quantum mechanics, statistical mechanics, and electrodynamics. The final year students opt for electives in specialty areas like micro- & opto-electronics, materials science, high-energy physics, radiation physics, quantum optics, and lasers. In addition to going for specializations at MS and PhD levels the graduates are readily acceptable to R&D organizations and related industries.

Relevance of Programs

The Department of Physics offers competitive programs in rapidly growing areas of interest to emerging technologies. Our experienced faculty and excellent facilities ensure that the students are well prepared to meet the challenges of the job market. Employment opportunities have increased considerably with expanding business and research interests of various national and multinational organizations.

Our invaluable linkages with the Higher Education Commission help us keep updated with new policy trends and job market facilitation incentives being unrolled by the government and private sector. Past experience demonstrates that our programs content is relevant and very much in need in all areas related to Physics. International markets are expanding their business and research interests in Pakistan which have not only increased scope of employment but also expanded local opportunities through market competition.

International Collaborations

The department has strong research collaborations with many international institutions that include exchange visits for faculty and students. These include:

- Abdus Salam International Center for Theoretical Physics in Trieste, Italy.
- Queen Mary College, University of London, UK
- University of Bologna, Italy. ALICE Experiment in LHC (CERN) Grid.
- University of New York at Albany, NY, USA.

- Physics and Astronomy Department, Texas A & M University, USA.
- University of Illinois, Urbana Champaign, USA.
- Technical University, Darmstadt, Germany.
- Tsinghua University, Beijing, China.

- Institute of Physics, Belgrade, Serbia.
- Philips University, Marburg, Germany

A special agreement exists with Department of Materials Science & Engineering at the University of Illinois, Urbana Champaign, USA for summer research.

Quick Program Facts

Programs	BS(Elec)	BS(Phy)
Eligibility	Intermediate or equivalent, with Physics and Mathematics with a minimum of 50% marks from an accredited institution	Intermediate or equivalent, with Physics with a minimum of 50% marks from an accredited institution. Pre-medical Student may be admitted provisionally. They have to pass Additional Maths within one year after admission
Session	Fall and Spring	Fall and Spring
Semesters	8	8
Number of Years	4	4
Credit Hours	140	134

Senior Faculty Members

Islamabad

Dr. Arshad Saleem Bhatti

Professor / Chairman

Dr. Mahnaz Haseeb

Associate Professor / HoD

Dr. Muhammad Aslam Khan

HEC Foreign Professor

Dr. Mais Suleymanov

HEC Foreign Professor

Dr. Aamir Wali Rauf

HEC Foreign Professor

Dr. Kamal-ud-Din Ahmed

Advisor

Dr. Ashraf Atta

Advisor

Dr. Mrs. Nasim Zafar

Advisor

Dr. Abdul Waheed

Advisor

Dr. Hameed Ahmed Khan

Advisor

Dr. M. Zafar Iqbal

Advisor

Dr. Javid Anwar

Associate Professor

Dr. Ishaq Ahmed

Associate Professor

Dr. Muhammad

Associate Professor

Anis-ur-Rehman

Associate Professor

Dr. Sadia Manzoor
Associate Professor

Dr. Yashar Huseynaliyev
HEC Foreign Associate Professor

Dr. Ahmer Naweed
Associate Professor

Dr. Waqar Adil Syed
Assistant Professor

Dr. Farida Tahir
Assistant Professor

Dr. Asjad Iqbal
Assistant Professor

Dr. Umair Manzoor
Assistant Professor

Dr. Zuhair Subhani Khan
Assistant Professor

Mr. Manzar Abbas
Assistant Professor

Mr. Muhammad Asif Malik
Assistant Professor

Dr. Nazar Abbas
Assistant Professor

Dr. Mubarak Ali
Assistant Professor

Dr. Muhammad Kamran
Assistant Professor

Dr. Najeeb ur Rehman
Assistant Professor

Lahore

Dr. Syed Javaid Iqbal
Professor / HoD
PhD Physics, University Malaya, Malaysia

Dr. Ashfaq Ahmad
Associate Professor, Post Doctorate Physics, Miyagi National College of Technology, Natori, Japan

Dr. Shoaib Munir
Assistant Professor, On Study Leave PhD, Theoretical High Energy Physics, University of Southampton UK

Dr. Muhammad Asif
Assistant Professor, PhD Plasma Physics, Institute of Plasma Physics, Chinese Academy of Sc, China

Dr. Abdul Rashid
Assistant Professor
PhD Physics, Johannes Kepler University, Linz, Austria

Dr. Ejaz Ahmad
Assistant Professor, PhD Condense Matter Physics
Zhejiang University Hangzhou, China

Dr. Muhammad Ashfaq Ahmed
Assistant Professor
PhD Physics, Harbin Institute of Technology, China

Dr. Salman Naeem Khan
Assistant Professor
PhD Optical Engineering, Zhejaing University, China

Mr. Rashid Najeeb
Assistant Professor, M. Phil Physics Government College University, Lahore, Pakistan

Mr. Javed Iqbal Abid
Assistant Professor, M. Phil, Solid State Physics (Plasma) University of the Punjab, Pakistan

Ms. Nusrat Rafique
Assistant Professor, On Study Leave M. Phil Physics Quaid-i-Azam University, Islamabad, Pakistan

Mr. Shahzada Junaid Shareef
Assistant Professor, On Study Leave M.Sc Physics Government College University, Lahore, Pakistan

Wah

Dr. Rahim Dad Khan
Associate Professor/HoD, PhD, Shanghai University of Science & Technology China

Dr. Akmal Javaid
Assistant Professor, PhD (Computational Mathematics), GUACAS Institute of Policy & Management Beijing China

Mr. Abdul Salam Quddus
Advisor (Academic)
MS (Advance Math) Actuarial Science Illions University USA 1976, PGD (Stat) Karachi University 1977,

Mr. Badar Suleman
Assistant Professor
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Islamabad



Wah



Lahore





CAMPUSES

Islamabad Campus

COMSATS Institute of Information Technology (CIIT), Islamabad was established in 1998 by an Act of Parliament 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. The institute has made progress from a mere nine students to an enrollment of more than 4,000 degree candidates in various disciplines including undergraduate and graduate level courses along with all advance facilities. Over 2,000 employees are part of the team which is currently working at the Islamabad campus and out of which more than 1,000 are highly qualified faculty members who are engaged in multidimensional research activities along with teaching. This campus provides a top class learning

Bachelor

• Architecture	B Arch
• Bioinformatics	BS (BI)
• Biosciences	BS (BS)
• Business Administration	BS (BA)
• Computer Engineering	BS (CE)
• Computer Sciences	BS (CS)
• Design	B. Des
• Economics	BS (EC)
• Electrical (Telecommunication) Engineering	BS (TE)
• Electronics	BS (Elec)
• Mathematics	BS (Math)
• Physics	BS (Phy)

Masters

• Business Administration	MBA
• Energy Management	MEM
• Project Management	MPM

environment with academic excellence, quality teaching along with constructive leisure activities and much more for keen students. In a short period of time, the continuous hard work of enthusiastic and dedicated faculty and staff members has made this campus prestigious because of its conducive environment for the students. Here the fertile young minds can really progress with a future for themselves. The main campus is spread over 44 acres in a beautiful location near Chak Shahzad. The campus is equipped with all modern facilities easily accessible to students and has been carefully planned to create an environment conducive to learning.

Academic Programs

The CIIT Islamabad campus is offering the following programs to the respective students for admission in Fall 2010 and Spring 2011.

Graduate Studies and Research Programs

The Campus also offers admissions into Graduate Studies and Research Programs (GSRP) leading to MS and PhD degrees. The details regarding these programs are separately available in Graduate Prospectus and can be obtained from the Campus.

Facilities

The CIIT Islamabad Chakshahzad Campus has over 40 **lecture rooms** which can house about 100- students and a **seminar Hall** that can house about 200 students. These are equipped with electronic whiteboards, projectors and computers which are networked to the Internet. These lecture rooms are fully air-conditioned, well furnished and meticulously maintained. Furthermore, CIIT's **computer labs** are equipped with a collection of 750 sophisticated computers with DSL internet connection which is available to the students for unlimited usage. All the computers are inter-connected through Local Area Networking (LAN). All these labs are also equipped with different software platforms including WINDOWS 2000, DOS, UNIX, LINUS, RACLE, C++, high-end workstations and high-speed laser and line printers. In addition to this, it has **large electronic labs** equipped with the latest testing and measuring instruments. These lab provide ideal setting for hands-on experiments. The Electronic Labs offer practical facilities for all electronics related subjects. Computer Engineering students at Islamabad Campus are provided access to areas such as microprocessor architecture & programming. **Microprocessor lab** is fully equipped to provide students with an exciting environment to implement and experiment knowledge acquired in the classroom. VLSI and DSP Lab is located in the Department of Electrical Engineering and has latest sets of computers, CAD tools, test equipment and host of VLSI and DSP training equipment as teaching aids as well as development systems for researchers. Such a sophisticated facility is perhaps not available in any other academic institution in Pakistan. This enables students, staff and faculty to carry out research and development work.

There are four well equipped specialized **Bioscience laboratories** i.e. Biochemistry/Molecular Biology, Molecular Genetics, Microbiology & Sequencing facility in Department of Biosciences. Students learn experimental techniques and methods such as preparing and handling genomic DNA including PCR amplification and gene cloning. The practical demonstration of the techniques like DNA sequencing and Mass Spectrophotometry is also organized. There is also a well equipped **computer laboratory** to carry out hands on exercises in Bioinformatics with high speed Internet access.

The Department of Meteorology is working in collaboration with Pakistan Meteorological Department (PMD) and currently has lab facilities in the field of meteorology, remote sensing, GIS and astronomy. The main purpose of the laboratories setup is to equip the students with software computing tools and providing them with hands on applied learning perspectives. Moreover, the laboratories are up to date with the advanced software and database for analyzing the scenarios spatially and temporally. The details of these laboratories are epitomized below: Further more they have weather station, RADAR System, seismic forecasting center, synoptic weather unit and numerical analysis laboratory. There are two automatic telescope to monitor astronomical events.

Library

The Library at CIIT, Islamabad is spacious, well planned, and offers tranquil environment. It is fast developing into one of the richest information resource center in Islamabad. The stock consists of about 35,000 latest books on a variety of subjects. Disciplines like Electrical Engineering, Mathematics, Physics, Biosciences, Computer Science, Business & Management, Design & Architect, Meteorology English Language and Literature.

The Library and Information Services aim to support the teaching study work of the CIIT in assisting & providing books, periodicals, research journals' newspapers, audio visuals and research information materials to the teaching



staff, students and employees of the COMSATS Institute of Information Technology. The library supports the academic programs of CIIT through collections, technology and services, which enables students and faculty to access recorded knowledge and information resources. This support empowers our constituencies 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 in a diverse society.

The Library also offers its users a rich E-Library with access to 42,000 books. The library has acquired McGraw Hill Collections and Oxford University Press for all the COMSATS Institute of Information Technology Library Information Services. The library is subscribing a good number of magazines/periodicals and journals, which have educational value for teaching staff and students.

In addition, the library also offers its users a rich learning environment complemented with Digital Library Access. Library has about 32,000 research journals on-line access for the full-texts, abstracts and TOCs..

The library is fully equipped with sophisticated audiovisual system. Students are encouraged to make use of the educational material available on videotapes, CDs, DVDs as well as on audiotapes. Students can search for resources using state of the art computerized library catalogue system.

More Resources

To provide **transport** facility to the students, CIIT Islamabad Campus has its own setup to ensure that students enjoy the convenience of travel when undertaking a program at the institute. Particularly for outstation students, there is a scheduled bus service to ensure that students make it to their lectures on time. The Islamabad campus has 10 buses of 60 seats each, 1 coaster with capacity of 29 seats, 4 HIACE vans with a capacity of 16 seats each, 1 ambulance, and 1 van for general duties. CIIT also facilitates the students by hiring buses from private sector, when necessary. CIIT Islamabad

has a street style **food catering service** having a wide range of quality snacks and meals at modest prices that is available throughout the day. The cafeteria can accommodate more than 200 people in a time. There are two separate sections, one for the students and the other for officials. At our Chak Shahzad campus thirteen shops are selling a variety of delectable cuisines and fresh juices. The campus has the facility of a **mosque**. Regular prayers are held at our on- campus mosque. 200 persons can pray at a time inside the mosque. Besides this, people can also pray in the mosque lawn. In Ramazan, special arrangements are made for prayers with a big tent installed just outside the mosque. In Ramazan, owing to a lack of space, special arrangements are made on the lush green lawn for girls who can say their prayers. There are 3 **medical officers** available on the permanent campus along with an ambulance to deal with any medical emergencies.

CIIT, Islamabad has a proper center that provides **photocopying** facility to students, faculty and staff members. Presently, 6 machines are working and over 10000 pages are photocopied per day. The photocopy center is working on subsidized rates. The Photocopy Centre has also the facility of bindings such as spiral binding, stapler binding and hard binding. The campus can boast of a proper **IT support services section** which deals with the IT problems and installation of software. The department is well staffed and manages all IT issues which arise in both the campuses. Managed by qualified IT personnel who are willing to fix up the issues at a call's notice.

Extra Curricular Activities

The CIIT, Islamabad Campus is very active in extra-curricular activities such as;

Adventure club organizes adventures and activities for students such as hiking and trekking, visits to historical places, hill stations and geological sites. This club has currently more than 250 students members. The Islamabad campus organizes Bazm-e-Adab to improve the public

speaking and presentation skills of the students. The students take part in internal and external competitions and events. The **Computer Science Society** organizes software competitions and seminars regularly. Students are encouraged to attend workshops and short courses in contemporary computing areas. Dramatic club provides students fun time by offering a variety of musical programs, exhibitions and dramas throughout the year. The Electronics Society encourages students to take part in internal, regional and national activities. This society also organizes visits as well as exhibitions. The English Literature Society play an active role in improving the language skills. Fine Arts and **Photographic club** was formed in 2001 and organizes exhibitions and painting competitions which include sketching, poster painting, portraits, landscapes and photography. **Sports Club** provides opportunities for sports enthusiastic students to share their interests and participate in events like cricket, football, badminton, table tennis, hockey and athletics etc. **Telecom Society** has been established to provide a forum to the students of CIIT to pursue their interest in the field of telecommunication beyond academics. Through various activities, this society aims to increase its members understanding of 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.

Student Affairs Office

Students Affairs Department at COMSATS Institute of Information Technology is one of the dynamic Offices, where the students' facilitation is practiced. It is an integral arm of CIIT which coordinates all matters relating to students facilitation within the CIIT. It opens its doors before the students, from the moment they enter the Institute and looks after them just as one does with a tender plant. This Office functions as a friend and guide of a student, catering to his/her needs from the time he makes the first inquiry regarding admission to the time he graduates from it. To

enrich the lives of the students, it polishes all aspects of their personality and develops them in required manner.

As an administrative Office, initially under the leadership of worthy Rector, in addition, they are responsible for the daily administration of students and their requests, grievances, or problems as the foremost priority. The Office liaises with other CIIT Departments and academic faculties to ensure that each and every individual approaching Students Affairs Office is well attended. Student Affairs personnel provides professional and support services in an educationally purposeful manner which promotes student learning and enhances the rights and welfare of students.

Graduating Students

Program	Total Graduates
BS(BA)	215
BS(BA)-IT	67
BS(BI)	82
BS(CE)	361
BS(CS)	420
BS(Elec)	74
BS(Maths)	78
BS(TE)	362
MBA	854
MBA-IT	125
MBA-IT (Exe)	7
MCS	31
MIT	24
MSE	101
Total:	2801

Good learning is all about bright ideas and making connections. Perhaps that's why the number of students is on the rise day by day.

Abbottabad Campus



Spanning an area of 308 Kanals, stands the grand structure of Abbottabad Campus of CIIT. Imparting quality education, contributing effectively to the research base of Pakistan, providing state-of-the-art facilities to students, helping in social uplift of the community it is located in, the campus symbolizes a modern and progressive seat of learning. Abbottabad Campus became functional in July 2001, and the first academic session started in September 2001. From a modest beginning with three departments and 121 student strength, three undergraduate programs and physical structure comprising old World-War II barracks, emerged the leading institute of the region which has now eight departments, a student strength of 4500 (37 fold increase), 13 undergraduate programs, 9 graduate programs, a qualified faculty strength of 411 including 73 PhDs and 42 modern laboratories. Our physical infrastructure emulates the best educational institutions of 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 majority of the campus area encompasses parks, orchards, lush green grounds, blooming

flower beds and trees. Set in these environs with a panoramic background view of Thandiani and Galiat mountains makes CIIT Abbottabad campus, an awe inspiring modern day place of learning.

Our Vision

Develop a knowledgeable and cultured society enriched through learning, scholarship, research, intellectual engagement and social equity, by preparing global citizens for life-long learning in a diverse and a challenging world.

Core Values

- Pursuit of Excellence
- Academic and Intellectual Freedom
- Mutual Respect
- Cooperation and Communication
- Creativity and Innovation
- Community Service and Leadership
- Public Accountability

Our Mission

Quality Teaching with emphasis on Research Productivity, in conformity with our National, Economic and Social goals, compatible with the international horizon of knowledge.



Academic Programs

The following programs are on offer for admission at Abbottabad campus during Fall 2010 and Spring 2011 semesters.

Bachelor

• Business Administration	BS (BA)
• Computer Science:	BS (CS)
• Doctor of Pharmacy	Pharm-D
• Earth Sciences	BS (ERS)
• Economics	BS(EC)
• Electrical (Computer) Engineering	BS (CE)
• Electrical (Electronics) Engineering	BS (EE)
• Electrical (Power) Engineering	BS (PE)
• Environmental Sciences	BS (ES)
• Telecommunication & Networking	BS (TN)

Masters

• Business Administration	MBA
• Development Studies	MDS

Research Activities

Research Projects

The following research projects are underway in collaboration with HEC, PSF and through CIIT's own research's grants.

- Constructed Wetlands: An approach to Solve Waste-Water Problem in Pakistan
- Saturation Mapping and the Utility of Ph1 Gene of Abbottabad Region for Wheat Improvement
- The Influence of Environment as the Morphological and Biochemical Traits of Maize
- Wheat Improvement Using Targeted Genomic Approach
- Isolation, Structure Elucidation and Biological Activity of Some Medicine Plants belonging to the family limacine and composite.
- Diagnostic and diversity studies of late blight fungus under different environmental resins in Abbottabad

- Wheat Improvement by the VSC of Tayled Genomic Approach
- Multifaceted approaches to characterize and improve Maize for economics important Traits.
- Cloning and Expression of Human Enzymes in Escherichia Coli and Development of High-throughput capillary electrophoresis and microchip based nano scale test system for analysis of inhibitors.
- Treatment of Textile Effluents by combination of Ultrasonic cavitations and electrochemical oxidation process
- Furthermore 7 research projects have been submitted for approval

Research Papers

CIIT Abbottabad faculty has published 232 research papers in journals of national and international repute. Furthermore more than 350 papers have been read in different conferences all over the globe.

Research Centre

A new and all-inclusive Research Centre as a separate physical structure is being established to cater to the research needs of all the academic departments, graduate students and faculty of CIIT Abbottabad Campus. The aim of the Research Centre is to provide to the scholars a conducive atmosphere and all state-of-the-art facilities for conducting research activities.

Facilities

The academic and research culture at CIIT Abbottabad campus is given impetus, by customized premises and modern facilities. State of art **laboratories**, contemporary **lecture halls**, **hostels**, **cafeteria** and **offices** cover 220,600 Sq Feet while 154,460 Sq Feet area is under construction with swift development, transforming the once deprived land into a prevailing education center of brilliancy. The campus has 40 spacious furnished **lecture halls**. Each has a capacity for fifty or more students and is properly maintained. Most of these classrooms are furnished with teaching aids, multimedia and projector facility for teaching purpose. **Laboratories** constitute essential part of the curriculum where academic knowledge is substantiated with practical demonstration and hands on experience by the students to verify the acquired knowledge. Campus has 13 **Electrical** and seven **life sciences labs** to ensure hands on experiment facilities to the students as well research & development activities for faculty members. **ERC (Electrical Resource Centre)** is responsible to look after Electrical Engineering labs and **Li_CENT** (Life Sciences Service Centre) is responsible for the Environmental Sciences, Pharmaceutical Sciences and Chemistry department labs. Engineering is integral to modern culture and is the primary engine behind much of the world's economic growth. The field continues to evolve at an astonishing pace. New technologies are introduced everyday, and existing ones become obsolete almost as soon as they appear. At CIIT Abbottabad, the delivery of both theoretical knowledge as well as the practical implementation of this knowledge is ensured. ERC is formed to facilitate the students so that they can practically verify the theoretical knowledge not only to fulfill the Science and

Technology demands but also to familiarize with the needs of the industry. The Labs are open from 8:00 am to 6:15 pm.

Following labs are at the service of students and researchers; CIIT Abbottabad believes "ability without opportunity is incomplete". The campus strives to provide excellent practical opportunities to its students. An **electronic lab** equipped with latest test and measuring instruments / equipment is established. **Digital logic lab** is equipped with modern and sophisticated equipments like microprocessor / microcontroller, Digital Logic Trainers, hardware program burning facilities and interfacing with real world equipments. Telecommunication / DSP lab is equipped with modern and sophisticated equipments related to the field of Communication, Microwave engineering, Antenna and DSP. This lab also covers tools and techniques for Analog / Digital Modulation and Demodulation techniques along with Satellite and Mobile Communication such as Transmitters, Receivers and Transponders. **Control lab** is equipped with feedback control trainers and PLC simulators each having several additional modules, to name a few, A/D and D/A converters, relay units, Temperature Sensor unit etc. **VLSI Lab** is equipped with tools and techniques for implanting Very Large Scale Integration (VLSI), modern tools such as FPGA boards and digital SPARTAN3 kits making this one of the most modern Labs in Pakistan. **Power System Lab** contains the latest equipments like Power Generation Systems, Power Transmission Systems, Power Distribution System and Power Utilization System. Four "Power System VSD Based Trainers" are developed, designed and completed by ERC engineers and staff for the power system lab and are fully functional. The addition of 'Variable Speed Drive' done in CIIT Abbottabad is a unique addition throughout Pakistan.

Hardware and Development Lab is equipped to cater for the course related design assignments and training for research and development projects. Currently it caters to the need of engineering students and will be extended further to cater for Master's level students and industrial sectors. **Machine Lab** is equipped with transformer trainers, dc compound motor and generator trainers the Machine Lab



contains Variable Speed Drive based AC Machine trainers, DC Compound Motor and Generator Trainer, Industrial Transformer Trainer and Three Phase Motor / Generator Trainer. The **Optical Engineering lab** is outfitted with the following state of the art optical simulator / optimizer and the other equipment; OptiWave version 7.0, 32 bit, Software, Optical fiber Trainers, Optical fiber Trainers interfaced with software, Misc. accessories. **Instrumentation Lab** is fully equipped with electronics instruments trainer, hydraulic instrument trainer and pneumatic instrument trainer. This lab also contains temperature, pressure and flow sensor modules. **Industrial Electronics Lab** contains power electronics trainer, single phase converter trainer, three phase cyclo-converter, speed control of A/C motor using triac, variable transformer trainer, the lab meets the industrial electronics experiment requirements. **Workshop lab** houses CNC Machine, shaper, lathe machine, cutter, welding plant and grinder to fulfill the workshop requirement. Life Sciences Centre with the name of Li_CENT has been established in June 2008 to coordinate and integrate the instructional and research activities of broad range of faculty with interest in Chemistry, Microbiology, Biotechnology and Pharmacology etc. Providing, both human and operational resources for advance analysis the areas of environment, nutritional, pharmaceutical, microbiological, applied research and development. This centre also cooperates with industrial clients to aid in providing solutions and conduct audits of facilities to evaluate their compliance with various governmental regulations.

Chemistry and Bio-Chemistry Labs are well equipped modern instrument room caters to the needs of research students. Most modern instruments like FTIR, GC, GC-MS, TOC, HPLC along with UV and Atomic Absorption Spectrophotometers have been set in operations which provide the latest facilities for research work. Beside these some other important instruments are also available like Rotary Evaporator, Orbital Shaker Incubator, Autoclave, Distillation water plant, Muffle Furnace, Ultrasonic Baths, COD Digester, Hot plates, particulate analyzer etc. Laboratory of Microbiology handles biological and microbiological

testing of drinking water, study on the microbiology of waste water, urine R/E and culture blood-urine. **Industrial/Pharmaceutical Technology lab** handles the analyses of drugs, quality monitoring, quality control testing, extraction of active compounds from medicinal plants and their activity testing. **Biotechnology lab** is mandated with DNA fingerprinting, gene mapping, genomic analysis and tissue culture. Currently, gene mapping and tagging through DNA fingerprinting of economically important plant species is in progress. Physiology and Anatomy Lab has state of art equipment for blood analyses, testing of drugs' activity on different test organs. ELISA Tests for HIV and Hepatitis B & C. **Pharmacology Lab** conducts drugs activity monitoring on various experimental animals, determination of lethal and active dose responses, drug toxicity testing and monitoring. To meet the current scientific challenges, Abbottabad campus has a well-equipped **physics lab**. Lab is fully equipped with required apparatus and purpose built furniture to perform experiments in a comfortable environment.

COMSATS IT Centre is a well-sized technology concern having large number of skilled professionals. COMSATS IT CENTRE promotes, develops, delivers and facilitates the use of information technology services and resources, including software application and web development, data warehousing, network design and configuration, internet provision, corporate training, multimedia solutions, and testing services. COMSATS IT CENTRE provides Internet Services, Networking Services, Corporate Trainings, Research & Development Services and Repair & Maintenance Services to the whole campus. COMSATS IT CENTRE has a successful history of projects and a long list of satisfied national and International clients. CITS is headed by General Manger IT and includes the following sections.

- a) Software House.
- b) ISP
- c) CISCO Local Academy.
- d) Computing & Network Services (CNS).
- e) Research & Development
- f) Equipment Repair and Maintenance- ERM

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 sq ft, contains over 24,085 books and is growing rapidly. It subscribes to more than twenty one 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 also 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
- Access to CD-ROMs
- Bookshop for students
- Cyber station (Internet)
- HEC digital library

More Resources

CIIT Abbottabad provides enough **Accommodation and Housing**. There are four on-campus (three for boys and one for girls) hostel buildings to accommodate approximately 640 male and 100 female students. Total area of Boys Hostels is 74136 Sq. ft where as Girls Hostel covers 18534 Sq. ft. Three more wings to accommodate male students are under construction. Our Hostels have been established as per international standards and contain central heating and cooling system, Mess, Gym, T.V room, Sports rooms and round-the-clock security. Also, hostel rooms are spacious and make 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 separated hostel for the faculty is also under construction.

CIIT Abbottabad has its own **Mosque** which is in close vicinity to our on-campus Hostels and our Teaching Areas, thus enabling

the staff and students to offer prayers while being in the campus. Our Mosque provides not only a place for spiritual expiation but is also a platform for interaction among students who come from all over Pakistan. To facilitate the females, a separate mosque was built in the campus in 2009.

Campus houses a fully equipped **Medical Centre** that has its own Medical Store and a qualified doctor to provide immediate medical care in case of any on-campus emergency. Also Ayub Teaching Hospital, which is a fully equipped Hospital, is two minutes drive from our campus. The on-campus Mess and cafeteria remain open for students and faculty the whole day, seven days a week. To ensure quality and hygienic food, CIIT Abbottabad continually monitors menu selection and ensures quality of service. Apart from these indoor eating facilities, two open-air eating outlets are also available for students.

There are two **Fitness Centers** (one for boys and one for girls) are present at our campus. The Fitness Center for boys is equipped with the latest machines. The Fitness Center for females is equipped with exercise machines, indoor climbing boards and weight training equipment. Students pay a nominal fee to avail this facility.

Academic Blocks contain **Common Rooms** 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. CIIT Abbottabad Campus not only focuses on imparting quality education but also emphasizes all-round development of students. This is the reason for the plethora of co-curricular activities undertaken at the campus which not only benefit students but are also beneficial for the faculty.

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. There is a

multitude of extracurricular activities that take place at the Abbottabad Campus all year. All these activities are arranged by our student body which organizes itself under different clubs and societies. These societies are involved in literary, dramatic, scientific, software and photographic activities. The societies also regularly organize poetry reading competitions, debates, quiz shows, concerts, Naat and Qirat competition, photographic competitions and scientific gatherings. Sports clubs are the platform for promotion of healthy activities among students. The Abbottabad Campus has a number of grounds that are designed and maintained for various sports activities like cricket, football, volleyball, badminton, table tennis and athletics. The sports are organized by a full time Physical Education Officer who is supported by sports representatives from the student body. Presently the following clubs and societies are actively working:

- Software Development Society
- IT Society
- Adventure Club
- COMSATS Literary Society
- Bazm-e-Adab

- Aadrish (Art, Painting and Photography Society)
- Funkada (Dramatic 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

The apex of all the above mentioned activities is seen in the students' week, held annually at the campus. This week is dedicated to competitions and tournaments held among different classes and department teams. As a tradition, faculty and the student body enthusiastically participates in this week-long event.



Graduating Students

Program	Total Graduates
BS(BA)	47
BS(CE)	327
BS(CS)	133
BS(EE)	154
BS(ES)	23
BS(IT)	125
MBA	329
MCS	152
MDS	99
MIT	119
Total	1508

Wah Campus



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 Ltd) Wah. CIIT started its campus at Wah in a record period of 70 days. Prof. Dr. Atta-ur-Rehman, the then Minister of Science and Technology and Chancellor of CIIT, formally inaugurated CIIT Wah campus on September 14, 2001.

The Campus is situated at Quaid Avenue, Wah Cantt adjacent to old city of Taxila. The history of learning at Taxila goes back into ancient times. Once centre for learning philosophy, arts, religion and culture in great Ghandara Civilization, a centre for seeking knowledge. In ancient times the Julian University was the centre of excellence of that age.

Wah 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, Hassanabdal and other surrounding areas. Wah Cantt. is situated in an area, considered as the hub of industrial activities in the region. It is a place having high potential for the utilization of Information Technology and its incorporation in the industry. Pakistan Ordnance Factories Ltd (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 is the first of its kind in Wah Cantt. It has a modern infrastructure and highly professional faculty. 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 succeed and also encourages them to benefit from the cutting edge education.

Academic Programs

Bachelor

• Business Administration	BS(BA)
• Computer Science	BS(CS)
• Electrical (Computer) Engineering	BS(CE)
• Electrical (Telecommunication) Engineering	BS(TE)
• Telecommunication and Networking	BS(TN)

Masters

• Business Administration	MBA
• Computer Science	MCS



Facilities

CIIT Wah has eighteen 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.

Keeping in view the importance of practical training, Wah campus has recently established three modern computer labs, which have around 212 state-of-the-technology computers connected through LAN and WAN.

The Wah Campus has the following labs:

1. Electronics (Analog and Digital) Laboratory
2. Communication Engineering Laboratory
3. Microprocessors Laboratory
4. Control Engineering Laboratory
5. Physics Laboratory
6. Computer Laboratory

These labs have state-of-the-art equipment to give practical exposure to the engineering students. Proper labs manuals,

attendance, quality assurance and supervision are ensured by the department during use of labs.

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 them 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.

Library

The library at CIIT Wah provides a wide range of up-to-date books periodicals in different subject areas. There are over 13,000 hard copies of books and almost 5000 non book material(CDs, Audio/Video etc). In addition over 11,000 journals are also available online as part of the grand digital library.



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 has been established at CIIT Wah that arranges a variety of outdoor activities. Different clubs have been created under adventure club such as hiking, trekking, photography, shooting, camping and rowing, etc. Visio Spark, the computing gala, a tradition of Wah, provides an opportunity for young learners to further explore their already acquired skills. Every year Wah holds this exhibition in collaboration with local industry to display talents of CIIT students.

Considering the importance of sports at academic institutions, there are a number of activities at CIIT Wah. Every semester,

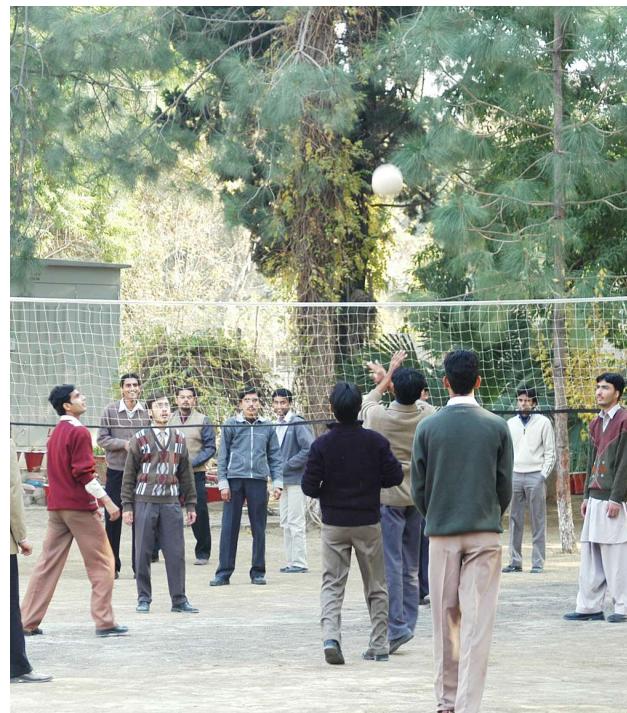
Graduating Students

Program	Total Graduates
BS(BA)	51
BS(CE)	175
BS(CS)	119
MBA	560
MBA-IT	46
MBA-IT (Exe)	16
MCS	162
MSE	14
Total	1143

a sports week is held. The events in the sports week include competitions in volleyball, football, basketball, badminton, table tennis, cricket, squash and athletics.

More Resources

The campus has two cinerarias and one fruit shop to meet the food demands of students and staff. **Prayer facility** is available for students and staff. **Common room** for female students is also available where they can relax and also say their prayer. **Photocopying** shop is also available with five heavy duty machines. **Transport facility** is also available for students. CIIT Wah has a fleet of transportation including a staff car Toyota, one Suzuki cultus, one Suzuki carry, one Suzuki pickup, one Toyota Van(Hi-Roof), one Toyota Van (Hiace), a coaster, Two Hino buses and Two mini Hino buses.



Lahore Campus



COMSATS Institute of Information Technology Lahore Campus, about 15 minutes drive from Thokar Niaz Baig is located on the Defence Road, off Raiwind Road. 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 sq. ft. The campus is equipped

with state of the art laboratories and computers. During a short span of time, continuous efforts of the dedicated faculty under the dynamic leadership of worthy Rector and the Director, have made CIIT Lahore synonymous with academics excellence, which forms strong foundations for a bright career for its alumni. Here the young minds can nurture themselves to meet their future challenges.

The environment at the campus is vibrant, creative and challenging, both for teachers and students. The campus intends to excel in its research capability and this will open new frontiers of knowledge in various fields. Lahore, the city of learning caters to the ever increasing demands of students in the fields of Computer Science, Telecommunication Engineering, Computer Engineering, Chemical Engineering, Management Sciences, Physics, Architecture, Bio-Medical Material Sciences and Mathematics. The beautiful campus with lush green lawns provide students with an ideal environment, which is not only conducive for their educational pursuits but would also ensure that the students are equipped with skills. The campus offers 30% seats to children of industrial workers free of cost besides other scholarships.



Academic Programs

Bachelor

• Architecture	B. Arch
• Business Administration	BS(BA)
• Chemical Engineering	BS(ChE)
• Computer Science	BS (CS)
• Design	B. Des
• Economics	BS(EC)
• Electrical (Computer) Engineering	BS(CE)
• Electrical (Telecommunication) Engineering	BS(TE)
• Physics	BS(Phy)

Masters

• Business Administration	MBA
---------------------------	-----

The campus also offers MS degree program as to facilitate the students per higher education and research activities.

Dual Degree Program

250 Pakistani undergraduate students will start with three Degree programs delivered in Lahore Campus. Through collaborative arrangements between Lancaster University UK and COMSATS Institute of Information Technology. This gives Pakistani students the opportunity to study for a highly regarded international degree for a fraction of the cost to study in UK. Students study at the Lahore Campus will be awarded a degree from each institution. At present, three programs are introduced, i.e. BSc. in Computing, BSc. in Business studies, and B-Engg in Communication system with Electronics. These Programs will be introduced in a separate purpose built block.

Facilities

The campus has well furnished, air-conditioned **lecture rooms**. Every room has a capacity for fifty or more students.

Most of these class rooms are furnished with multimedia facility for teaching purposes. **Information Technology Centre** provides network infrastructure, software development and, IT training facilities for students, faculty and staff. CIIT Lahore has LAN backbone over fiber optic and all its lush green lawn, hostels and student sitting place have secure WI-FI Internet facility. The Campus has 10 Mbps of CIR bandwidth. CIIT provide its researcher access to **Digital Library** over high speed link. Video conferencing facility, High-tech server farm provides its users centralized authentication and remote storage. Through **COMSIS** (Online Student Management System) ITC provides detail information of all academic matters to students, parents and faculty. The whole facility is managed from well equipped server farm.

Cisco Networking Academy helps students in developing valuable information and communication technology to increase access to opportunities for career advancement. It is an innovation that delivers communication technology skills to improve economic opportunities. It provides online



courses, interactive tools, and lab activities to help individuals develop the skills needed to fill ICT (Information & Communications Technology) positions in virtually every type of industry. Six air conditioned **computer labs**, each equipped with fifty work stations with internet facility, along with server room have been setup at the campus. A number of multimedia and overhead projects are also available. Another lab has been established in girls' hostel.

The campus has fully functional **Distance Education facility** that aims to provide quality education to students. Using videoconferencing technology, students may interact in real time with foreign professors and faculty from other CIIT campuses. The distance education room here at CIIT, Lahore has latest equipment and technology with up to 8 MB bandwidth to facilitate students in real time and without any delay. Electrical engineering department has established high quality **laboratories** which are operational with state-of-the-art equipment. These Labs help to verify, to embellish and to illustrate the fundamentals of many key concepts taught in the lectures. There are more laboratories in addition to the above mentioned: Project Lab, RF / Microwave Lab, Data Communication Lab, Machine and Control Lab, Microprocessor / VLSI Lab, Electronics Lab and Communications and DSP Lab. Chemical Engineering Laboratories are equipped to implant conceptual knowledge with exciting environment to experiment and grasp the core of Chemical Engineering Discipline. The experimentation scheme is based upon research, the students keep on exploring solutions to new and live industrial problems. The Chemical Engineering Students while conducting experimentation also learn classical amalgamation with other sciences and engineering disciplines.

Some of the available laboratories are Fuels and Combustion, Fluid & Particle Mechanics, Particulate Technology, Engineering Thermodynamics, Heat Transfer Operations, Mass Transfer Operations, Simultaneous Heat & Mass Transfer Operations, Biochemical& Food Engineering, Chemical Reaction Engineering, Chemical Process Technology, Chemical Process Principles/ Matlab, Environmental Process Engineering, Instrumentation and Process Control, Engineering Workshop, Engineering Drawing/Graphics, Process Research, Physical Chemistry,

General Chemistry, Analytic Chemistry, Physics and computer and desktop facilities. To meet the current scientific challenges, Lahore campus has a well-equipped physics lab. Students from different engineering disciplines perform experiments related to their physics courses. The air conditioned lab is fully equipped with required apparatus and purpose built furniture to perform experiments in a comfortable environment.

Library

The library functions as an information resource center for the campus. Students are encouraged to make full use of the library resources. Other than books, library includes wide range of audio-visual material such as CDs, DVDs, audiocassettes, journals, magazines and newspapers. The library help desk provides one-on-one assistance to valued library users. The library is open six days a week. A collection of more than 15,000 books along with CDs and videos has been provided to students and faculty. Library serial section is subscribed more than 36 national and international journals / magazines for research and reading purposes. In addition, over 48,000 latest e-books and 30,000 world class journals are also available as part of the digital library. Details regarding library resources and services can be accessed through the link <http://library.ciitlahore.edu.pk/>

COMSATS Students Services Cell

CSS cell has been established at CIIT Lahore Campus to provide students with 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.

More Resources

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. 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 & staff and the other for students. To provide first-aid and **medical facilities** to students and faculty members, a health center has been established near the girls hostel under the supervision of a qualified Resident Medical Officer. Central **mosque** between academic building and boys hostel provide a serene facility for prayers including Juma congregation. Playgrounds for hockey, football and basket ball have been developed and are being maintained to provide extracurricular activities to the enrolled students for grooming their personalities. A **mini shopping center** has been established to facilitate the students and the residents living on campus. A **Gym club** has been made functional for the students, which is running quite successfully. The campus provides **hostel** facility for both boys and girls students. The accommodation is available on "first come first serve" basis. We also facilitate approximately 130 students in private hostels managed by CIIT. The campus provides **pick and drop** services to students and employees. Nine buses and two coaches provide this service between campus and the city on subsidized rates.

Extra Curricular Activities

The mission of **Job Placement** Cell (JPC) is to assist students in finding employment through a variety of services. It also includes assisting them in locating employment opportunities. The JPC offer students grooming sessions, job hunting skills, job data bank, resume development, interviewing skills and students profile directory. The **Adventure club** organizes activities for students including excursions, walks, visits to historical places, hill stations and the geological sites. The club currently had more than 250 student members. Debating and cultural society organizes seminars, quiz programs, debates, mushaira, naat, qirat, and current affairs competitions. It

promotes development of innate talents of students apart from academic excellence. **Dramatic and Music club** has been established to organize art, drama, and singing competitions. It arranges various music and movie shows from time to time to provide good entertainment to the students. The **computer science society** organizes seminars, quiz programs and other events related to computer science. Members of the society have represented the institute at several forums and competitions and have brought back honors & prizes. The **Electronic 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. 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. One of the key features of education at CIIT is a visionary approach of constantly providing practical exposure to the students regarding the course through a series of seminars. **COMSMAG** an annual magazine reflecting the whole academic year activities in a nutshell. The pages of the magazine depict the essence of artistic and academic abilities harbored by the students of COMSATS Lahore. 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.

Graduating Students

Program	Total Graduates
BS (BA)	78
BS (CE)	237
BS (CS)	246
BS (IT)	103
BS (TE)	159
MBA	811
MBA (IT)	148
MBA-IT (Exe)	21
MCS	152
Total	1955

Attock Campus



COMSATS Institute of Information Technology achieved another milestone by establishing its campus at Attock city on April 04, 2004. It was a historic day for the residents of Attock city, as CIIT provides quality education at their door step. The event was important for both CIIT and Attock city because an IT institute was a distant dream which came true. The presence of CIIT in Attock has ensured the availability of professional academic skills not only to the locals of Punjab but the adjoining areas of NWFP. It throws open an opportunity to the city of Attock becoming a hub of burgeoning jobs and business venture entirely on its own strength in the near future.

The Attock campus has gained a commendable reputation in a short span of time. The good teaching reputation of CIIT Attock ensures that brilliant academicians of all fields 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

Bachelor

- | | |
|---------------------------|---------|
| • Business Administration | BS(BA) |
| • Computer Science | BS (CS) |

Masters

- | | |
|---------------------------|-----|
| • Business Administration | MBA |
| • Computer Science | MCS |



The Department of Electrical Engineering has also been established at CIIT Attock. BS (EE) with specialization in Avionics and Telecom Engineering will be offered very soon. In this regard, accreditation procedure from Pakistan Engineering Council is in-process.

Facilities

Higher education in dynamic technical field requires huge investment in infrastructure and facilities that are to be 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 the continuous process of progress and is making addition to its existing resources. The detail of the resources is given as follows:

All seven **lecture 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. The **library** supports the academic programs of CIIT through collections, technology and service, which enables the students and faculty to access recorded knowledge and information resources. Presently there are 4200 books in CIIT Attock. The collection contains the books on the subjects of various programs. It also serves as Information Resources Centre for the campus. The library also contains other source of information like films, audio cassettes and newspapers etc.

The library is airy, well lighted and provides ideal condition for quiet study. Networked PCs have provided access to a wide range of online journal, databases, CDs library catalogues. The library's holdings are not only chosen mainly to support teaching and research on the campus, but they also include some general books for leisure reading.

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 seven days a week. The computing service web page also provides useful information to make good use of computing facilities.

Prayers are held at Attock campus **Mosque** regularly. The sound of the Azan adds a welcome serenity to our campus atmosphere. A proper cafeteria has been set up where quality eatables are provided to the faculty and student at reasonable rates throughout the day. CIIT Attock provides pick and drop services to facilitate the students and employees. The service between campus and surrounding area / inner city is provided on subsidized rate.

The campus provides **hostel** facilities for both boys and girls students separately. The accommodation is available for first cum first serve basis.

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 discussion in free time available. Daily newspapers magazines and periodical journals are available for reading. An electronics lab equipped with latest test and measuring instrument / equipments 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 and one project lab for the student. 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 providing friendly and expert guidance / assistant so the student can make 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. IT Help Desk Services, technical support regarding, hardware, software, systems and networks. The Network Department is also providing corporate level technical consultancy to banks and various government department of District Attock.

ISATS Institute of Information Technology

Attock Campus

2nd

Convocation



COMSATS Institute of Information Technology, Attock Campus is awarded as a **Cisco Local Academy** in 2007. The first Cisco Networking was established in 1997 in USA, currently there are 12,667 academies world wide. As a Cisco Local Academy the CIIT Attock is offering Cisco Certified Network Associates (CCNA) Academy Program to its student. The program on the whole presented a unique blend of advance theoretical as well as practical sessions via latest interactive course curriculum. The thrill driven component of the entire exercise is the online assessment in which student are present with online exam so they can finally test their network skills in the given scenarios.

Extra Curricular Activities

A hard working professional with a pleasant personality is the need of modern era, which is only possible if the students are taught the values of life in addition to their class room lectures. Therefore, co-curricular activities and events are regularly arranged at CIIT Attock for the student, because sport grounds and extracurricular activities teach them the precious lessons of sportsmanship and struggle. They learn to coexist with harmony in groups, the area of accepting defeat and fighting for the existence with equable temperament. Following is the brief account of activities held at CIIT Attock during the reporting year.

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

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

In a series of seminars held at the campus during academic semesters, we have collected a variety of thought-provoking observations to elaborate different aspects of Management Sciences, HRM, Sciences and Technology.

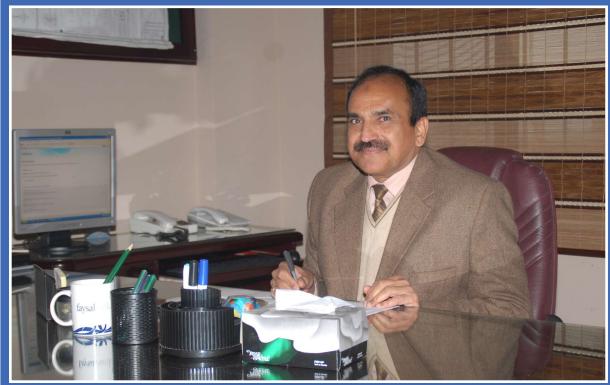
Funfairs at the campus are organized annually. Students as well as outside vendors set up stalls to display food items, handicrafts, etc, students set up semester projects. Sports activities and drama club events are also an integral part of these funfairs.

Graduating Students

Program	Total Graduates
BS(CS)	19
MBA	275
MCS	51
Total	345



Sahiwal Campus



CIIT Campus 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 on September 23, 2007. The city and district Sahiwal was originally known as Montgomery. The city of Sahiwal was founded in 1865 by Sir Robert Montgomery, then Lieutenant-Governor of Punjab. It took its current name in 1966. It is famous for its cotton ginning & pressing, tannery, textile spinning, textile weaving, leather products, garments, pharmaceuticals, flour mills, food industry, oil mills, tobacco, vegetable ghee/cooking oil, biscuit plants, chip board, confectionery, and woollen textile

spinning/weaving, etc. Sahiwal is a major multi-crop area of Pakistan that is why there are so many pesticide companies doing their business. Its main crops are wheat, cotton, sugarcane, maize and rice. Main fruits are citrus, mangoes and guavas. Sahiwal is a green and fertile town with 11,522 acres under naturally grown forests; the biscuit industry is also popular. Agriculture is important to the local economy, particularly the growing of cotton and grain. Cattle are also kept and Sahiwal is famous for its water buffalo milk.

In Fall 2007 CIIT at Sahiwal took its first intake of students for MBA and Bachelors of Science (CS) Programs. The establishment of CIIT Campus at Sahiwal besides providing facilities of higher education in the area of high demand, market oriented disciplines will also provide state-of-the-art facility for research and development in these areas. CIIT Sahiwal intends to augment the academic and socio-economic role in imparting quality education with the help of cutting-edge technology and contemporary managerial practices. CIIT Sahiwal has surfaced as the most vibrant institute 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 enrollment of 100 students with quite an attractive 30 percent ratio of female students. The first intake was admitted on unprecedented merit. Current lot, studying at CIIT Sahiwal, is a beautiful blend of students from both foreign and national institutions.

Academic Programs

Bachelor

• Bioinformatics	BS (BI)
• Biosciences	BS (BS)
• Business Administration	BS (BA)
• Computer Science	BS (CS)
• Mechanical Engineering	BS (Mechanical)

Masters

• Business Administration	MBA
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Facilities

In the purpose build campus of 36 acres of land; we have eight (8) spacious **lecture rooms** equipped with all the modern facilities like: Latest Multimedia, air conditioner and modern teaching accessories. CIIT Sahiwal offers the most modern **computing facilities** with the latest operating systems and software packages. Realizing CIIT faculty and staffs professional abilities, a state-of-the-art computer lab has been established at CIIT Sahiwal. The Internet Facility at CIIT is one of its prominent features. Broadband Internet connectivity plays an important role in facilitating the faculty and the students for academic as well as research and development activities at the Institute. CIIT students avail the facility of free Internet access with the help of Wireless Internet around the Campus. CIIT lab is equipped with latest multimedia facilities like Multimedia projectors, Scanner, CD Writers and Printers.

Library

CIIT Sahiwal hosts a reference library with good number of books and 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. Digital library is also among the salient features of CIIT Sahiwal. The library subscribes to both local and foreign newspapers and national and international periodicals, journals and magazines. Latest issues of newspapers are displayed on the newspaper stands while the previous issues of newspapers and magazines are available on request. Library has a very wide and diversified range of helping material for faculty members and students.

More Resources

CIIT Sahiwal has provided the students (male and female) with furnished **hostels** where their stay is very comfortable and homely. It caters for all those facilities that a student needs. 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. A glimpse of the facilities provided is given below. Neat, clean and spacious rooms are there to be shared by two/three students. A separate dining hall equipped with modern facilities of crockery, microwave oven and TV are provided. There is a recreation room equipped with TV, newspapers

and internet for the students. Games facilities like carom board, table tennis and badminton are also available. Study room facility is also available for the students so that they can concentrate on their studies fully. Adequate security facility is also available within the campus.

Extra Curricular Activities

CIIT Sahiwal provides many opportunities to its students for grooming them mentally and physically. These facilities include formation of following club/societies which organize wide range of different extra-curricular activities: Adventure club, Sports club, Magazine Committee and the Debating Society. CIIT arranges industrial tours on regular basis for their students to have a practical application of the knowledge. They also observe the practical manifestation of organizational working. Proctorial board is one of such bodies which cascade the traditions and moralities among the communities of CIIT Sahiwal. Proctorial Board consists of the selected students who deal with the problems connected with the maintenance of discipline in the institute. Self governing program is intended to ensure that at CIIT everyone shares the responsibility of providing a positive and safe academic environment within which we learn and excel. CIIT Sahiwal offers various types of scholarships to its students in the form of Financial Assistance, Kinship and merit scholarships, Moreover different scholarships may be offered in collaboration with the public and private organizations.

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.

Graduating Students

Program	Total Graduates
MBA	70
Total	70

Vehari Campus

COMSATS Institute of Information Technology has achieved yet another milestone by opening its 7th Campus at Vehari. Located in the heart of the Pakistan's biggest province Punjab, and famous for its fertile lands, Vehari is the centerpiece of diverse socio-economic life in the region. Vehari came into existence as a result of construction of the Pakpattan canal originating from Sulemanki Headworks on the Sutlej river and the institution of Nili Bar colony project in 1925, so called because of blue traces in the water of the Sutlej. Vehari District was established in 1976. It has an area of 4373 Sq km and a population of 3.5 million (Estimated:2009). The district at present borders with Bahawalnagar and Bahawalpur districts on the southern side, Pakpattan district on the eastern, Lodhran district on the western and with Sahiwal and Khanewal districts on the northern side. Vehari is one of Pakistan's developing regions. Most households rely solely on agriculture, livestock and labor for their livelihood. The district consists of plain area with fertile land. The climate of the district is hot and dry. It has the best cultivated land which is suitable for cotton, wheat and other agricultural crops.

CIIT Vehari Campus was jointly inaugurated by Madam Tehmina Daultana, Member National Assembly and Rector, CIIT Dr. S.M. Junaid Zaidi on 17th August, 2008 in the Circuit House, Vehari. CIIT Vehari campus has started with the



enrolment of 45 students on strict merit criteria in MBA. Presently, a temporary campus is functioning at the Hostel Building of the Govt. College for Boys Vehari (36 Kanals). However for the establishment of Main Campus at Vehari, Government of Punjab has transferred more than 415 Kanals located at two different places in the Vehari city. CIIT Vehari intends to impart quality education in order to make students, capable professionals, sensitive intellectuals and critical citizens. Driven by market forces, technological revolution and globalization, CIIT Vehari aims to instill a research culture for economic and human resource development of this region.

Academic Programs

Bachelor

• Business Administration	BS (BA)
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Masters

• Business Administration	MBA
• Computer Science	MCS
• Economics	MSc



Facilities

CIIT Vehari is equipped with two state of the art general purpose **computer Labs** with most updated Core2Duo computer systems and operating environment. Our computer networks connect internally at LAN &WAN connectivity with extended broadband width of 4Mbps for students & faculty members. Modern computer accessories like color printers, scanners, DVD writers, multimedia projectors, digital camera are also availed by students with help of highly motivated team. To enhance the efficiency of staff, computer note books are also provided. To maintain the uninterrupted working environment seven days a week, network is backed with high-tech 10KV UPS, and generator. The Vehari campus is about to switch its data punching on CU-Online which is an in-house developed version of COMSATS to automate the institutional functionality.

Female students are provided with separate **common room** to relax and study .This kind of private space enhances their progress level.

The administration of CIIT Vehari 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 1 km from the campus and in a safe residential area near the city main market, the hostel provides 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 management 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, hostels provide ample facilities for various games and sports. Indoor games like, carom, and table tennis are provided in common rooms. Adequate security arrangements are also

available for hostel residents. Other hostel facilities include UPS & generator as a power backup for light load shedding.

Campus Theme - Students First

CIIT Vehari is committed to educating students become enlightened citizens for leading a productive and meaningful life. The campus echoes a consistent theme. From Faculty to Administrative staff, each department and office on the campus, there is an enduring commitment to put students first. In tandem with facilities provided at the campus, security of the students gets top-priority, so that they can concentrate on their studies, thus ensuring a peace of mind for their parents living far away.

Library

Library is the treasure-house of knowledge. The campus has procured more than 1500 books and CDs on varying disciplines and contemporary issues. It subscribes both top national and international newspapers. Other modern facilities like digital library, E-library, journals and publications are available. Library has diverse range of referral material available for both faculty and students.

Extra Curricular Activities

CIIT Vehari offers each student a future of significance -- not only education of mere prestige but also provides opportunities to its students for sprucing them mentally and physically. And for that purpose, guilds are made for organizing different extra-curricular activities, like Sports Club, Adventure Club, the Debating Society and Magazine Committee. Thus a student's time at CIIT can never be dull. On the contrary difficult to chose 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 that they may learn how commercial and industrial undertaking work.

Job Development Cell

All Employers hire people who are well-qualified, passionate and interested in the job, who want to achieve targets and

take full responsibility. This applies across the board, from large multinational corporations to small NGOs. Studying at CIIT Vehari will equip you to demonstrate passion, interest, achievement and responsibility. The specific subject you study should be one you are passionate about and want to enhance that passion in your practical life. CIIT Vehari 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 the governing body holding responsibility of maintaining discipline among the students and taking necessary corrective measures if needed.

Graduating Students

Being the youngest campus established in Spring 2009, CIIT Vehari is eager to exhibit its 1st Batch in the market.







ADMISSIONS

Admissions

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, determined by combining the weighted marks obtained in the entrance test with weighted marks earned during the previous public examinations.

Need Guidance

The following pages should provide all the information you need to complete your application successfully.

Application and Admission Process

All the applicants have to go through a regular process of admission which includes filling of application form till they qualify the merit list and if found eligible, will be fortunate to get admission in CIIT. Due to the limited number of seats in each program, above average grades usually entitle one for admission into a program. In order for any application to be assessed, the university must receive a complete application form along with required documents. The applicant has to meet the competence standard in order to qualify for admission. One must meet both the general requirements and the prerequisites for specific faculties and programs on offer. Some programs may have specific requirements and details of these can be found in the relevant sections of this prospectus.

How and When to Apply

Review the information in the CIIT Prospectus and the programs of each Faculty at respective campuses. Determine the campus and Faculty within which your desired program is being offered and then decide where you want to study.

Keep in mind that at CIIT, you are admitted to a Faculty and not just to the University. In addition to the academic criteria, proficiency in English Language is also important as the mode of instruction is English. Instead of wasting time and energy in going through the application process, you must self-check whether you meet this criteria. You should be clear why you have chosen CIIT and the particular program you are applying for, before embarking on filling out the form as it will save you a lot of hassle. To be eligible for admission in the Fall Semester 2010 you need to apply in June 2010 when the admissions would be announced in the print media and on the university website. Similarly for admission in Spring 2011 semester, you need to make your application in December'10. Incomplete admission forms and late applications will not be entertained.

Applying on Paper

Visit CIIT website if you want to download the form but you need to fill in the form and submit by hand at the admission office. Since CIIT receives many more applications than the university can approve, admission is competitive. English is the language of instruction at CIIT. Prior to admission, all students must demonstrate English language competency in each of the four areas: listening, reading, speaking and writing.

Application Procedure

- Applications are made in response to the admission advertisement in the print media.
- Admissions are conducted according to an admission schedule, which is prominently displayed in these admission announcements.

The CIIT Prospectus along with the Admission Forms is made available at all campuses of CIIT.

- 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 fulfills the prescribed eligibility criteria, he/she may apply for admission to a degree program by following the procedure mentioned below
- Fill the Admission Form (given in the prospectus).
- 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.
- 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 and Competency Criteria

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.

In addition, the CIIT Admissions Office also provides 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:

Applicants must meet the following criteria to be considered for admission:

Degree Programs	Percentage Weightage
For Undergraduate Degree	
Matric or equivalent	10%
Intermediate or equivalent	40%
NTS Test	50%
For Master Degree	
Matric or equivalent	10%
Intermediate or equivalent	15%
Bachelor or equivalent	30%
NTS Test	45%

The admission criteria for B(Arch) & B.Des only is as below:

- 30% weightage of Entrance Test & Previous Public Examinations.
- 30% weightage of Drawing Test (Free hand drawing)
- 40% weightage 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 www.ciit.edu.pk.

The Admissions Office will also contact applicants selected for admission by email. 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.

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 matriculation 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.
- National Identity Card (or 'B' Form) along with two attested photocopies.
- Two passport size photographs. These must be attested on 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 yet 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 complete after the payment of fee is confirmed. If candidates fail to confirm enrollment by the given deadline, selection will stand cancelled

and the seat will be offered to the next candidate on the waiting list.

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 is always ready to offer advice to international students seeking information and guidance about applying. 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. CIITs reputation as a destination for international students is a result in part of the many programs available to facilitate a global learning experience and to support our international students.

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. Gulf Higher Education Exhibition (GHEDEX) is being organized for last 07 years and now it has attained the status of most comprehensive regional platform showing a wider array of diverse, international study options in higher education for students, parents, young professionals, and the academic organization from the Sultanate of Oman and the Gulf Region.

We will of course, need to be sure that you can benefit from your course here and for that reason, international students

whose first language is not English are required to achieve a satisfactory standard in an approved test in English. 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. Please contact us any time by email, telephone or via our website. We look forward to welcoming you. If you are accepted on a program here, we will send you detailed information specially designed for international students to help you make the best of your time in 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 IBCC 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

Obtaining a University Place

Once you have qualified all the required competencies then you are eligible to get a university place. CIIT will be happy to receive you as its student and from then onwards will be

its responsibility to groom and polish you into a valuable asset for the country.

Accommodation

CIIT offers accommodation in its regular residence halls to international students. Additionally, a range of private housing options are also available in surrounding locations. The Admissions Office facilitates new comers seeking private accommodation of their choice.

Charges for repeated course

Fees for each repeated /improved course during regular semesters will be charged per credit hour, in addition to regular semester fee.

Summer Session (if offered)

Fees for each repeated /improved course during a summer session, whenever offered, will be per credit hour.

Additional Semester

When failed/left over courses are studied beyond the normal study duration, fee charges will be accrued per credit hour. However, in case 12 credit hours or more are studied in a semester beyond the normal duration, full semester fee will be charged.

Semester Schedule (2010)

The Semester Schedule may be revised / changed by CIIT. The session for Fall 2010 will be starting from August 30, 2010 tentatively. And before the commencement of the classes students will be given a proper schedule as to when the examinations will be taken and till when the courses can be dropped.

Equal Opportunities Policy and Codes of Practice

CIIT is a university which provides equal opportunities for all irrespective of gender or any disability. The university provides a unique opportunity to act locally as you learn

globally. Our mission is to embrace diversity by promoting and maintaining an inclusive and supportive environment where everyone can achieve their full potential. We are fully committed to eliminating discrimination and promoting equality of opportunity for our students and faculty members. Our policies and procedures treat individuals solely according to their ability to meet academic study or job requirements. The university has drawn up a policy and code of practice to discourage any sort of biasness. CIIT is also committed

to widening access to its programs and facilities to members of groups under represented in higher education. The university ensures that its policy statement and accompanying codes of practice are widely distributed throughout the institution. It has also established support systems for staff and students who may be the subject of discrimination. It also makes it a condition of service and admission that employees and students adhere to this policy.





Physics

Computer Sciences

Architecture

Management Sciences

Welcome to Orientation Day

Making a Difference



COMSATS Institute of
Information Technology
Islamabad

BS
(*Phy*)

BS
(*Electronics*)

MS
(*Phy*)

PhD
(*Phy*)

BS
(*CS*)

MS
(*CS*)

B. Arch.
B. Des.

BS (BA)

BS (EC)

MBA (Regular)

MBA (One-Year)

MBA (Evening)

MPM

MEM

MS (Mgt. Sc.)

PhD (Mgt Sc.)

COMSATS
Institute
of Information
Technology
Islamabad

Making a Difference



COMSA
of Inf
Tec
Is

Making a Difference

COMSATS Institute
of Information
Technology
Islamabad

Making a Difference



COMSATS Institute
of Information
Technology
Islamabad

Making a Difference

GETTING STARTED

Enrollment

Once you qualify to be admitted at CIIT then the process of registration starts and you need to enroll with the university and with the department in which you have been admitted by following a certain procedure. After that you would be assigned a roll number and be registered within the Comsis, which is the internal system of the university and all the students have to register with that domain. As a student you would be given a password to access the Comsis and all the courses of the program in which you have enrolled would be accessible to you. Student Information System, through which students and their parents can access the day to day activities of the students including Attendance Record, Results, Fee Record, Semester wise Progress Report through assigned usernames and passwords.

Dates for Undergraduates

The semester schedules will be announced before the commencement of the semester as to when the semester will start and till when you can drop your courses which you think will not be feasible for you. Examination dates would be there too. The semester schedule will make you plan your activities according to those dates. The classes for Fall 2010 will be starting from August 30, 2010 (*subject to change).

Pre-Arrival Suggestions

Once you have been admitted you need to know what would be required before you join the university. If you are coming to the city where you have been admitted for the first time, then you need to know the climate of that city and how to prepare yourself according to that city. It would not be easy for you to go to your hometown every weekend as the studies will keep you busy. It is essential you take these factors into account and bring all the things along with you before coming over to the Campus.

University card and Photo Submission

After the process of admission is over, you are requested to get the university card. For that you need to submit photographs which will be fixed on the university card and that is a compulsion for every student. Without the university card you cannot gain entry into the university and neither can sit for the examinations. Your university card shows that you are the student of CIIT and that serves as your identity.

Start of Session

At the start of the session you need to be attending all classes regularly so that if you need to withdraw any subject, you can do so within the stipulated time. 80% attendance is mandatory for all students to appear in the examinations.

Induction/Orientation

As a student you will find orientation to be one of your most exhilarating experiences at CIIT. If you are going to take up hostel accommodation, we would suggest you move into the hostel over the weekend before the commencement of classes. This will give you ample time to settle in and check out other things. For hostellites in particular, it is important to acquaint yourself with the new city life and the knowledge of the important sites. CIIT schedules an Orientation session for all new students to welcome and acquaint them with general policies and services of the university. Registration for courses is also completed at this time. Attendance at this session is mandatory. Orientation Day would introduce you to the university life and motivate you for the university experience. University is a place where you will learn to take responsibilities seriously. This session facilitates you in becoming familiar with the new environment as well as interact with the teachers. During Orientation, experienced faculty and staff members will give you a first hand knowledge of how and where to go in the university. They will take special care of you in passing on the information about the university. CIITs video will also be shown to the students to quickly get the grasp of all the important places

in the university. Think of it as your formal introduction to the people, places, activities and resources on campus to help make your first year a success. You will go on a campus tour led by your orientation leader. You will be in a better position to understand everything and make some new friends.

Registration of courses

Within the orientation session you will be required to register for the courses and the teachers will help you in understanding which courses to take at the preliminary stage. If there are some courses which you might not want to undertake would be dropped but with a certain deadline. The teachers at the orientation session will update you regarding the deadlines. You will get the chance to ask as many questions as you like from the teachers and they will satisfy your queries.

FAQs

Your Welfare

University life is not just about academic achievement and a busy life. Rather the university looks after your health and welfare needs throughout your time at CIIT. Few examples of the solutions we offer.....

What if..... I have personal difficulties?

There is a remedy for such problems in the form of advice by the psychologist and teachers who pay heed to these students who are having problems and cannot concentrate on their studies. These students need urgent counseling and services are promptly provided to them so that their precious time is not wasted in remaining depressed. Semester system keeps the students and faculty on their toes and hard work is expected from the students. Only if students are physically, mentally and emotionally fit can take up the burden of the semester.

What if..... I have financial difficulties?

There is a way out for financial problems also. If the student is hard working and brilliant and can be in the top 3 positions he will be awarded some financial respite in the form of

scholarship by the university, or he can apply for some loans. Financial troubles will not pose a hindrance in pursuing his education.

What if..... I am unwell?

Student welfare is of prime importance in the ambit of CIIT mission. If they are physically fit they can be vibrant students and can excel. For this our university has a full time doctor on the campus and he will provide them with first aid and other medical facilities. The student will have access to medical help as and when required with full attention.

What if.....I have a disability?

Our university believes in diversity and any physical handicap does not come in the way of student from enrolling in the university. CIIT encourages and supports students with disabilities. You are welcome to visit our campuses at any time to evaluate facilities and talk in confidence about your needs. We already have some students who are not physically fit but still they manage with their studies and are doing well. For us the students are an asset and we believe in providing them the best facilities.

What if.....I have difficulties with my study?

We have teachers who are always there to help students with their studies if they have any problems. Sometimes the students have received their education in another mode of instruction other than English and it becomes difficult for them to comprehend the lecture. With the individualized attention of the teacher the student can overcome this impediment and be a productive student of this university.

What if.....I want to attend services of prayer?

There is a mosque within each campus to facilitate the students and they can say their prayers on time without any hassle of going out. Female students can comfortably say their prayers in the common room allocated to them.





COLLEGE OF COMPUTER SCIENCE
AND ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY
JAWAHARLAL NEHRU UNIVERSITY
ASSAM

NAME _____
ROLL NO. _____
CLASS _____
SEMESTER _____



Job
Part time work
as per requirement
not less than 6 hours
per week
The student will be responsible
for his/her own expenses

PARENTS GUIDE

Our Reputation

The reputation of an institution is very important but, too is the social experience. It is important to find a good balance between the two. If we could use one word it would be 'quality'. Clearly you want to take a place on an academic program that is of a very high quality. But that is not the whole story. You need to get a feel for a place. Go and visit universities and talk to students and staff. If you are going to spend four years at an institution you really need to be sure that it is right for you. We understand how seriously you take your son's or daughter's decision to go to university. And we understand how important it is that your child choose the university that best fits his or her needs. As parents, we can imagine that you have priorities as well.

You want your child to go to a university that has it all: a stellar reputation for higher learning, broad learning options, easy access to teachers and classes of manageable size. You want your child to be where he or she can learn to think independently and is encouraged to seek the right questions as opposed to the right answers. As a parent you are probably looking further ahead as well, at how well the degree helps your son or daughter to move into the career of his or her choice. First and foremost it has to be the quality of course provision. CIIT continues to earn acclaim as one of the most coveted academic institution and is striving day by day to reach the pinnacle of excellence. Our gratitude goes to the joint efforts of our faculty and students, we are consistently placed highly in the tables of academic achievement. In our university you will have a personal, friendly and down to earth feel to the place.

Professional Development

At CIIT we will always put the needs, welfare and experience of our students first. We place a high value on developing

a mature approach to learning in which students are encouraged to challenge conventional wisdom, handle complexity and benefit from difference and diversity. Here, at CIIT we want our students to be an embodiment of true professionalism. Seeking knowledge should not be the ultimate goal of the students but an overall grooming of the personality is what is required of the students. Our faculty provides every chance for students to polish themselves by equipping them with the skills required. Our students are the most important part of CIIT and it is our priority to prepare them for future success. Our goal is to help young adults succeed as students, as individuals and as active participants in a global world. And we are particularly proud of our graduating students.

Future potential is exciting and dynamic. It is also virtually impossible to define, which is why at CIIT we rely on a lot more than formal qualifications when gauging the ability to succeed. If you are interested in a challenge we are definitely interested in you. We concentrate on offering flexible study opportunities to help today's busy learners prepare for whatever tomorrow may hold.

Scholarships

All success deserves to be rewarded. Prove excellence in the field of academic achievement, sporting success and students can when 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 vary from campus to campus:

Taleem Fund

All the employees of CIIT contribute 1% of gross salary in addition to the 5 % 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.

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.

Further details of Campus Level Financial Assistance / Various 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.

Convocations

Convocations are part and parcel of any university. Student admissions lead to graduation one day and for this a formal ceremony where students are conferred degrees is arranged for them.

Celebrating Success

Although the CIIT has quite a brief history, yet by the grace of Almighty Allah, we have already graduated more than 8,000 students in short history.

Campus 1	Campus 2	Campus 3	Date
Islamabad	Wah	Lahore	14 Aug 2004
Abbottabad	-	-	27 Sep 2004
Islamabad	Wah	-	04 Oct 2004
Lahore	-	-	29 Nov 2004
Abbottabad	-	-	01 Oct 2005
Islamabad	Wah	-	14 Mar 2006
Lahore	-	-	01 Apr 2006
Wah	Attock	-	28 Nov 2006
Islamabad	-	-	12 Jan 2007
Lahore	-	-	13 Apr 2007
Abbottabad	-	-	07 Sep 2007
Wah	-	-	30 Oct 2007
Islamabad	-	-	06 Nov 2007
Attock	-	-	22 Nov 2007
Lahore	-	-	03 Dec 2007
Islamabad	-	-	30 Apr 2008
Abbottabad	-	-	11 Oct 2008
Islamabad	-	-	23 Oct 2008
Wah	Attock	-	Nov 2008
Lahore	-	-	Nov 2008
Islamabad	-	-	8 Apr 2009
Lahore	-	-	16 May 2009



1



Award of Medals

Award of Institutional Medals

- (a) Graduating students obtaining the given below CGPAs in their respective degree programs* shall be eligible to earn the Institutional medals:
 - (i) CGPA of 4.0 - Patron's Gold Medal
 - (ii) CGPA of 3.75 and above - Chancellor's Gold Medal
 - (iii) CGPA of 3.50 and above - Institute's Gold, Silver, Bronze Medals respectively.
- (b) The award of institutional medals shall be further governed by the following conditions:
 - (i) One person shall be entitled to only one medal at a time.
 - (ii) The recipients for the Institute's medals shall be entitled to Gold, Silver, and Bronze, in that order, only if the threshold of 3.50/4.00 is reached or crossed.
 - (iii) The recipients have not failed in or repeated any course and have completed the degree requirements in the minimum prescribed time period.
 - (iv) In case of the same CGPA (upto two decimal places) each person shall be entitled to the medal.

*Note: Students admitted into a particular degree program in a particular year/ session, irrespective of the sections or morning/evening distinction shall compete as one group.

Award of Campus Medals

Each campus may also award campus medals to their outstanding graduating students who meet the following criteria:

- (a) The recipients of the campus medals shall be entitled to Gold, Silver and Bronze, in that order, only if the threshold of 3.25/4.00 is reached or crossed.
- (b) The recipients have not failed in or repeated any course and have completed the degree requirements in the minimum prescribed time period.
- (c) In case of the same CGPA (upto two decimal places) each person shall be entitled to the medal.
- (d) The graduating students may qualify to receive both the campus and the institutional medals.

Award of Merit Certificate

All recipients of medals shall also be issued merit certificates to indicate the position obtained in a given degree program as well as the award of a particular medal.

Smoking Policy

The CIIT is not far behind in taking care of the health of its students by discouraging them to smoke. The CIIT has a smoke free environment and the policy is strictly adhered to. Good and clean habits are inculcated within the students and their energy is utilized in healthy activities. The students have to comply with the policies of the university otherwise will be penalized. Parents entrust their children with us and we take care of them monitoring their habits.

Discipline

Attendance is mandatory for students and they have to follow a certain dress code. All students are expected to maintain 80% attendance in all of the courses. Anyone who does not follow the rules and regulations of the university is liable to come under a penalty. Students are made aware of all the rules which they need to abide by. Students are issued Student ID cards which they have to display on daily basis. Students are taught to adhere to rules and regulations so that the spirit of discipline is inculcated in them and they become useful citizens of the country. Joining our university means that you agree to observe our Statutes, Regulations and Codes of Practice which codify the good manners which outline responsible behaviour. We expect our students to be humble and display their good manners and not bring the university into disrepute.





REVIEWS FOR PROSPECTIVE STUDENTS

Current Students

We prepare our students to be professional, skilled individuals fitted for the modern world, committed to lifelong learning and able to contribute to the communities in which they live and work. At CIIT we always put the needs and welfare of our students first. We place a high value on developing a mature approach to learning in which students are encouraged to challenge conventional wisdom, handle complexity of the modern world and benefit from difference and diversity. We pioneer the development of new knowledge, scholarly understanding and professional practice to promote innovation in the curriculum and support the sustainable development of business and the wider community. Sometimes our reputation precedes everything and students come to us by word-of-mouth recommendation.

There is no doubt that the current system is not perfect and we are sure that the one that is put in place would not be perfect either. But there is also no doubt that getting a degree is the very best investment that you are going to make as a student. Successive studies have revealed that earnings are higher, quality of life is better and the feeling of self worth increases for those who have experienced higher education.

We recognize that universities do more than just educate our future leaders; we play a vital role as solution seekers to the economic and environmental problems of our time. Step outside the classroom and you step into a world of near limitless choices. On campus there is so much to do and explore. Along with imparting education, students are kept

busy with various other co-curricular activities like the spring festival, bazm-e-Iqbal, book exhibitions, funfairs and much more. While we expect you to study hard at CIIT, we also want you to enjoy your courses and take time for non-academic activities and events. You could say that, at CIIT we want our students whole, healthy and active. Whether we are tutoring students or mentoring them, we will be building leadership skills while we clarify the education and career goals.

Studying at a research university means that your education does not come exclusively from a textbook; it is enriched by hands-on learning from teachers who are pushing the boundaries of knowledge. In this way, your education will give you the kind of head-start that will get you further, faster when you graduate. CIIT does more than teach you facts. Problem-based learning develops your rational and analytical skills with classes that challenge your assumptions, refine your ideas and teach you to express those ideas powerfully.

As a student you have access to state-of-the-art lecture theatres. CIIT is at the leading edge of integrating technology into the learning experience. Testing your limits, learning to think and respond at lightning speed, understanding both leadership and teamwork-CIIT teach lessons as vital as those learned in the classroom. All classrooms are well-equipped and have air-conditioning facilities. We have developed initiatives that reduce pollution and conserve natural resources, promote health and protect ecosystems.

How CIIT Wishes its Students to Be

Develop Yourself Personally

Become Intellectually Engaged

Master A Discipline

Enhance Your Communication Skills

Learn to Lead and Collaborate

Expand Your Understanding of Social Responsibility

Have an All Round Personality

Learn to Relate what you Learn

Have a Persistent Attitude

Positive Attitude Enhances Success

CURRENT STUDENTS



Hammad Saghir
BS(TE)
Islamabad Campus

It's been a very good experience at CIIT. This experience has given the new dimensions to my ideas. CIIT provides a well set competitive platform, urges an individual's professional capabilities. A highly qualified faculty creates such a healthy environment that enhances one's thinking and analytical abilities. Every person either in the faculty or in the staff is very cooperative. Moreover, faculty and staff arrange workshops, special lectures and seminars, time to time, to facilitate the student for his professional career. In the end, I pay my regards to CIIT because I own it and being a comsian is an honor for me.



Hafiz Hamid
BS(BI)
Islamabad Campus

CIIT's repute convinced me to join and I found in it a real opportunity to learn and polish myself. I came to know about the university through Lahore by word of mouth. Teachers try to give us a satisfactory response and I believe that from here I will be able to pursue higher education abroad. Credit goes to the teachers who keep us on toes working and be able to face the challenges of life.



Muhammad Faisal Siddiqui
BS(CE)
Islamabad Campus

I joined CIIT because it was placed on a high rank by HEC because of its reputation and research work. I found it a real opportunity to learn and polish myself. Our teachers keep us busy by giving us assignments, case studies, presentations and projects that enhance our theoretical as well as practical capabilities. The faculty helps us as much as they can to solve our problems. They make us capable to compete the World. The credit goes to our teachers who are very professional and humble in their field.



Ifra Razzaq
BS(TE)
Islamabad Campus

I joined CIIT because it suits me from the economical point of view and the quality of teachers is good whom I came across during my studies. Teachers are really well behaved and well groomed and are excellent in delivering lectures. They are there whenever needed.

**Bahadur Ali Sheikh**
BS(BA)
Islamabad Campus

I have come from far-off in Sindh and I found this university to be par excellence. After three years of search for universities I came across and planned to join for my Bachelors program. What I was expecting has outshined and teachers have really proved it and I felt here favouritism is not carried out. Fair play is the practice of the day and teachers are superb in delivering the lectures.

**Kanwal Fatima**
BS(BA)
Wah Campus

I have got many reasons to choose this university specifically secure environment for female students and qualified faculty. Only reliable and reputable university near to my home. My teachers keep us busy by giving us assignments, presentations and projects which enhance our theoretical as well as practical capabilities. My teachers are humble and I feel at ease talking to them for my problems. It is due to their encouragement. I was able to secure GPA 4 in my first semester and I got lots of appreciation, though I had a medical background. So the credit goes to my teachers who brought out the best in me. I have been able to groom myself and have become mature enough to take decisions.

**Muhammad Kamran Ayub**
BS(TN)
Wah Campus

I chose CIIT because of its recognition in IT and Telecom sectors. I suppose students should be opting for excellence in education and CIIT is an outstanding choice for them. CIIT is known for its supportive community and its education offers students the intellectual tools and social awareness to become successful professionals. I would say that CIIT faculty and staff has played a fundamental role in our grooming both morally and professionally. Faculty members here support each student in the grooming of their interpersonal skills and I would really miss all this once I graduate from here.

**Saad Anis**
BS(CS)
Wah Campus

I consider CIIT to be the best university in Pakistan for students to pursue an undergraduate education. As I have noticed, it has been rated among the best for quality education. Not surprisingly, it is the university that puts each individual student at the centre of learning experience. CIIT is a place where each student can pursue his/her dreams, develop unique academic strengths and explore many other interests that are important to one's personality. Teachers are very kind and loving and CIIT has left remarkable memories with me. CIIT faculty is directed and moves towards career oriented concepts and prepare us for industry requirements.



Saira Javaid
BS(BA)
Abbottabad Campus

CIIT is the only well established institute in Abbottabad and it offers a wide range of interesting subjects. I have chosen BBA because of prior interest in Business Studies. My experience at CIIT has been great as the teachers irrespective of their busy schedules find time to help us as and when we are in need. They are always trying to pass on their knowledge to us and groom us. Whatever CIIT and its teachers have passed on to me, I will make sure to pass that on to my next generation.



Munir Ahmed
MDS
Abbottabad Campus

Reason for joining CIIT is its renowned teaching faculty and the modern and latest teaching technology. Development Studies is a subject which is gaining prominence day by day and CIIT has taken that into consideration by offering the course at the Abbottabad Campus. During our course our teachers incorporate all the new developments which are taking place in the real world. With the theoretical concepts being given to us, practical knowledge is also imparted.



Bibi Sadia
BS (EC)
Abbottabad Campus

I opted for CIIT because it is the best university of our area and I was interested in Economics and CIIT is offering the course. I found the teachers very cooperative and dedicated. Teachers really inspire us a lot in learning. Teachers are putting in their efforts towards our grooming. After doing my degree, I will join the State Bank of Pakistan.



Munaza Naveed
BS(ES)
Abbottabad Campus

The foremost reason for being part of CIIT is to seek quality education. And the reason for pursuing the degree of Environmental Science is to contribute my part in saving the environment. Here, at CIIT I have found diversity in the teaching methodology. The teachers here are educated, understanding and dutiful. And the credit goes to the selection team for appointing them. Teachers play their part in grooming the students which is the need of the day.



S.Burhan-ud-Din Mahmood
BS (Elec)
Abbottabad Campus

The reason for choosing CIIT is its quality and standard. Its vision and mission has been accomplished. I found out the teachers to be highly trained and experienced and are qualified and dedicated. After completing my studies from CIIT I will become a good citizen and will get into the Research field. The credit goes to my teachers for training me and giving me the impetus for research.



Arooj Sahir
Pharm D
Abbottabad Campus

The main reason for choosing CIIT was its approach and a wonderful university within the boundaries of our own city. The reason for choosing this field in particular was its demand and scope as it is a noble profession. The mode of instruction that we follow at CIIT is quite interactive and conceptual. Our teachers are highly qualified and some are PhDs also. Apart from teaching, they also keep us abreast of all the new developments taking place in the field. After completing my degree from here, I will take up to research.



Waqar Shams
MDS
Abbottabad Campus

CIIT is a prestigious institute which is well aware of the growing development needs of our area. I being a development practitioner for the last 3 years, joined this course to incorporate practical experience with updated knowledge and skills. I found the course extremely interactive as the students are given the chance to share their knowledge and experiences from diverse backgrounds and it is a good blend of theory and experience.



Inum Arshad Mughal
BS (Phy)
Lahore Campus

I found CIIT an educational institute with expanding horizons. In a short span it has gained unprecedented heights and I believe that it will expand with the passage of time. My interest in exploring new ventures brought me to physics department. It has been an exceptional experience with all my teachers and they guided me which motivated me to do better everyday. Students of CIIT are very fortunate in getting groomed and teachers apart from conventional teaching develop their personalities too. I would like to contribute to the national research in future.



Ebtessam Khalid
BS(BA)
Lahore Campus

I chose CIIT because I felt that this institution would polish my abilities and give me a strong promising career. I chose a business degree because of my personal abilities. Our teachers are very friendly with us and they inspire us to be enthusiastic, ambitious and productive. I have conducted a seminar on organizational etiquettes and it has been helpful in boosting up my confidence. After graduating from here, I will give the CSS exam and opt for foreign service. And the credit goes to my teachers for giving me this confidence.



Umar Saleem
B-Arch
Lahore Campus

I wanted to study architecture and my elder sister advised me to take up this course in CIIT. Here the teaching mode is mostly practical and teachers are quite helpful and experienced. They like to give us a helping hand as and when required. I would like to take up some job and after gaining some experience in the field will take up business. Architecture is a useful subject and universities should come up with such subjects which are not common and run of the mill.



Zohaib Hanif
BS (CS)
Lahore Campus

CIIT is a well reputed and accredited institute in the area and I was keen in the emerging computer technologies since my childhood. I opted for CIIT because of the high ranking on the HEC charts for quality education. The instructors are pretty cooperative and helpful. I am looking for a dynamic organization where I could utilize my hidden potentials which have remained untapped so far. The way the teachers make us study really helps in building our concepts.



Muhammad Tauseef Zahid
BS (ChE)
Lahore Campus

Sensational landscaping and pleasant environment attracted me to get into CIIT for my studies. Highly qualified faculty and its emerging name in the field of research were the other factors to choose CIIT. I found the course quite invigorating because of the direct interaction with the teachers and they teach us through multimedia. Strict discipline regarding dress code has groomed us and this will be part of our personalities wherever we go. My aim is to go for higher studies abroad once I graduate from here.



Saba Ahmad Chishti
BS (ChE)
Lahore Campus

I joined CIIT because it is a chartered university of HEC and spreading its network in all parts of the country. Our teachers have been an inspiration to us and they make sure to involve us in the class by our participation. They take special interest in our grooming too besides giving us quality education. I hope to continue with the same inspiration and in my future would like to be a teacher following the footsteps of my ideal teachers.



Hisham Akhtar
BS (BA)
Attock Campus

CIIT is one the leading institutions in Pakistan which is contributing a lot in the IT sector of Pakistan. Beside its contribution in IT sector, it also produces graduates in management sciences. One of the competencies of CIIT is its devotion towards the learning of students plus its attractive scholarships. I have an inclination towards business and the CIIT faculty is quite marvelous in this regard. So I found an opportunity here. When I was new to the campus, I lacked confidence CIIT campus has contributed a lot in building up my confidence through presentations. My teachers have given me a lot of guidance and support and groomed my personality and appearance in many different ways apart from just completing the course.



Muhammad Saqib
BS (CS)
Attock Campus

Highly reputed institute with well qualified faculty was the reason for choosing CIIT as my university. Practical labs and presentations gear us up for the challenges ahead. Teachers are really doing well with the students and take special interest in the grooming and welfare of their students. Teachers at CIIT make us follow in their footsteps by adhering to the moral code. I will take up higher studies in the near future after completing my degree.



Ikramullah
MCS
Attock Campus

I chose CIIT because I believe it is the top most university in our area. I chose this area of study because it is related to research. I have a very good experience with the teachers so far and they take pains in passing on the information to us regarding the courses. Our teachers improve our manners also vocally and by gestures too. We are learning a lot from them besides regular studies.



Zarah Malik
BS (CS)
Sahiwal Campus

Information Technology happens to be the most challenging domain in the modern world. CIIT happens to be a leading institute in the country when it comes to IT. Here, we are following a comprehensive conceptual mode of teaching and related practical work. Teachers are able and equipped to meet our subject demands. Making presentations mandatory happens to be the major well devised grooming program. And it covers all academic aspects and develops our interpersonal skills. I will pursue a Masters program from a foreign university after completing my degree.



Muhammad Waqas
BS (BA)
Sahiwal Campus

CIIT has a high ranking according to the rankings presented by HEC and that was the reason for choosing my Bachelors degree from here. I have been interested in Business Studies from the beginning and my dream has been realized by joining CIIT. I found the teachers to be cooperative and accessible whenever needed. Of course the main objective of CIIT is not to cover the entire course but along with that impart grooming skills to the students also. They shape our personalities by involving us in different activities.



Arooj Kawish Butt
MBA
Sahiwal Campus

It has been a blessing for me to get admission in Sahiwal Campus in my own city. My reason for opting for this course is my strong interest in business related field. Here the teachers take interest in developing our personalities also besides the regular teaching. I have plans to further my knowledge of finance by doing CFA.



Muhammad Shahzad Majeed
MBA
Sahiwal Campus

I chose CIIT because of the ranking by HEC and I found this to be true also. In Sahiwal we do not have high repute universities. So when CIIT came to Sahiwal, I did not think twice and joined it. My teachers have really worked on us and broadened our vision. They are really qualified and competent to teach. It is evident from my personality which has been groomed now. I plan to go abroad after completing my studies here.



Sana Ehsan
MPM
Islamabad Campus

Has an experience of working in different capacities in Planning Commission for the last 2 years. Now getting the theoretical knowledge of all what I have been practicing in the field. Tools and techniques are being taught to us and my ideas are getting defined. We are studying in a mature environment and it is a worth learning experience.



Mr. Kabeer Malik
MPM
Islamabad Campus

Architect by profession and having an experience of 15 years. Have been working with foreign colleagues and felt the need to be at par with them as far as Project Management techniques are concerned. When came across the advertisement of admission in Project Management, a one year degree program, I immediately planned to get benefit by joining it. Teachers keep us on our toes by making us work. My experience after joining the program is exhilarating. All my inner desires are being fulfilled and I can apply all the knowledge now in the practical field. In fact we are getting 'best of the best'. The program is a good source of our confidence building. I will like to take up the subject of Project Management till my Doctorate level.



Mr. Tabjeel Ashraf
MPM
Islamabad Campus

Having 5 yrs experience in the Construction field and have worked as a Consultant. At the moment working with the National Highway Authority. With a Civil Engineering and Transportation Engineering to my credit and a MBA also have ventured into the field of Project Management. As my field is directly inter related and I wanted to get the know how of tools and techniques which will eventually polish my skills. Beauty of the program is learning one day and practicing it the very next day directly. Enjoying the vast exposure of our teachers. After becoming a qualified project manager my salary can get a boost.



Irum Jamshaid
MEM
Islamabad Campus

I preferred joining CIIT as it has an edge over the other Institutions in the city by offering market led new courses by assessing the need of the present times. This course is being offered in CIIT Islamabad only. Teaching mode is not only through conventional lectures but we are encouraged to have vast discussions relating to our subject. Teachers are very helpful and keep us updated regarding the market knowledge. I am having a very good exposure in this subject and plan to take up a job in the development sector and want to apply my knowledge in the energy sector.





RULES & REGULATIONS

Regulations Relating to Undergraduate Degree Programs

Admission Criteria

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 well as suitability and aptitude for a particular degree program determined through Interview.

Admission

- (a) Upon the display of merit list of the successful candidates, they shall be required to confirm their willingness to enroll by depositing the prescribed fees and charges into the relevant account of the campus. Admission shall only be considered complete if the registration form along with payment of all dues within specified dates is confirmed to the campus registration office.
- (b) If an applicant fails to confirm his/her enrollment within the notified period, his/her admission shall be cancelled forthwith and the seat shall be offered to the next candidate on the waiting list.
- (c) Admission to one degree program shall not give the candidate an automatic right to transfer to another program, unless specifically allowed with the mutual consent of the two concerned departments on case to case basis, and after approval by the relevant authority.
- (d) Admission into an academic program may be refused to a candidate for reasons to be recorded.

Degree Requirements

To receive a degree, students must complete a set of requirements for that particular degree. Degree requirements for the various academic programs shall be determined by the Academic Council from time to time.

Courses of Study

The courses of study for various academic degrees shall be recommended by the respective Boards of Studies / Boards of Faculties to the Academic Council / Board for approval.

Organization of Teaching

- (a) Teaching in various courses shall be conducted through lectures, tutorials, discussions, seminars, practical work in laboratories, field work and other methods of instructions as approved by the Academic Council.
- (b) Teaching shall be conducted by the Institute's teachers or such other persons as may be declared to be "Teachers" by the Institute.
- (c) Teaching shall be organized through courses specified for each subject and approved by the relevant authorities.
- (d) English language shall be the medium of instructions.

Registration of Courses

- (a) At the beginning of each semester, students shall be required to register for a group of courses prescribed for a particular degree program and for a particular semester.
- (b) Students may register for additional non-credit courses, on successful completion of which a mention shall be made in the transcript, but shall not be used for computation of CGPA.

- (c) The Chairmen/Heads of Departments shall forward within seven teaching days from the date of the commencement of a semester all the registration forms to the examination section of the campus.
- (d) A student may change course(s) within five teaching days from the date of commencement of a semester on the recommendations of the teacher(s) concerned. However, course(s) may be dropped immediately after the first sessional test result is known. In that case, no academic penalty will accrue. However, fees paid will not be adjusted.
- (e) In order to remain a full-time student of the Institute, a student must be registered in at least 12 credit hours of course work during a semester.
- (f) The maximum credit hours of course work for which a student can register during a semester, shall not exceed 21.

Examinations

- (a) Students shall be evaluated in each course on the basis of tests, classroom assignments, quizzes, practical work in the laboratories, and terminal examinations. The distribution of marks shall be as follows:

- (i) Courses without practical/lab work requirement:
 - First Sessional Test 10%
 - Second Sessional Test 15%
 - Quizzes / Assignments 25%
 - Terminal Examination 50%

- (ii) Courses with practical/lab work requirement:

Theory Part:

- First Sessional Test 10%
- Second Sessional Test 15%
- Quizzes / Assignments 25%
- Terminal Examination 50%

Practical/Lab work Part:

- First Lab Sessional Test 10%
- Second Lab Sessional Test 15%
- Lab Assignments 25%
- Lab Terminal Examination/Viva 50%

Note: Marks in courses with practical/lab work shall be calculated as per the following formula:

Total % Marks = {(% Theory Marks X theory credit hours) + (% Practical Marks X Practical Credit hours)}/Total Credit Hours

- (b) The students shall have to pass separately in theory and in practical/lab work. Failure in any one, theory



- or practical, shall result in failure in the course.
- (c) The results of the sessional tests and quizzes/ assignments/practical work shall be forwarded by the chairmen/Heads of Departments to the examination section of the campus, on the designated date as reflected in the notified semester schedule of a campus.
- (d) Students shall be eligible to appear in the terminal examination provided:
- (i) They have paid all prescribed fees/charges and have been on the rolls of the campus during that semester;
 - (ii) They have registered for the courses of study and have attended not less than 80% of the lectures/seminars delivered in each course and 80% of the practical/laboratory work prescribed for the respective courses. The students falling short of required percentage of attendance of lectures/seminars/ practical/laboratory work, etc., shall not be allowed to appear in the terminal examination of the concerned course and shall be treated as having failed in that course.

Results

- (a) The instructors/teachers of the concerned courses after having shown the graded answer books to the students shall send the same along with award lists to their chairmen/heads of departments, who shall send the same to the examination section under their signatures. The examination section after tabulation/verification of the individual results shall notify the consolidated results accordingly. Answer books of terminal examinations shall be stored for one year, after which they shall be destroyed.
- (b) Copies of result notifications issued on the completion of a semester shall invariably be sent to the Controller of Examinations.

Grading

- (a) The minimum pass marks for each course shall be 50%. Students obtaining less than 50% marks in any course shall be deemed to have failed in that course.
- (b) The correspondence between letter grades, credit points, and percentage marks shall be as follows:

Letter Grade	Credit Points	Percentage Marks
A (excellent)	4.0	90 and above
A-	3.7	85 - 89
B+	3.3	80 - 84
B (good)	3.0	75 - 79
B-	2.7	70 - 74
C+	2.3	65 - 69
C (average)	2.0	60 - 64
C-	1.7	55 - 59
D (minimum passing)	1.3	50 - 54
F (failing)	0.0	Less than 50

Note: The marks to be assigned to students shall be in whole numbers.



Assignment of Scholastic Status

Each student is assigned a two-letter abbreviated status on the transcript according to the scholastic achievements during the semester. Each status reflects the changes in the academic achievements and has been individually explained below:

a. Good Standing (GS)

Students are assigned this status at the beginning of their studies. It is retained as long as the CGPA does not fall below 2.00/4.00.

b. Probation (PB)

A student is placed under probation if his/her CGPA falls below 2.00/4.00 at the end of a semester.

c. Dismissal (DI)

A student already on probation is automatically dismissed if he/she attains a second successive probation at the end of a semester.

Non-credit(NC)

A student may register for non credit courses during a semester. Such courses shall appear on the transcript as "NC".

Withdrawal(WD)

If a student withdraws from a course/courses or semester. It shall appear on the transcript as "WD".

Make-up Examinations

At the discretion of Chairman/ Head of the concerned department, the make-up of sessional tests may be permissible under special circumstances. However, make-up of terminal examination shall not be allowed under any circumstances.

Failure In Pre-requisite Courses

If a student fails in pre-requisite courses, he/she shall be allowed to repeat them after paying the prescribed fees. However, he/she shall not be charged tuition fee for the sequel courses (courses to be taken after clearing the pre-requisite course) when taken during a regular semester.

Improvement of Grades

Students may be allowed to improve their course grade(s), for which payment of the prescribed fees shall be required.

Merit Scholarship

Students who demonstrate academic excellence by achieving outstanding positions, at the end of a semester, in each degree program on a campus shall be awarded merit scholarships.

Transcript

On successful completion of all the requirements for a particular degree program, students shall become entitled to receive its degree, in addition to the transcript showing the credits, letter grades, and credit points obtained in each course, with aggregate weighted percentage marks, and the CGPA, at the end. The transcripts shall be issued from the respective campuses.

Degree

The degrees shall be issued by the Institute.

Rechecking of Answer Books

A student may, on payment of the prescribed fee, get the answer book rechecked in the presence of the concerned teacher and an officer of the examination section, in its secrecy room, for totaling and for verification that all questions or parts thereof have been fully marked. Re-evaluation of the paper, however, shall not be allowed, except for the evaluation of the unmarked answer or a part thereof. Rechecking shall only be allowed within 10 days of the notification of the result.

Freezing Of Studies

- A student may be allowed to freeze studies before the commencement of a semester, with the permission of the Director of a campus or Incharge of Academic Affairs. Freezing of studies for a bachelor degree program shall not be allowed for more than four semesters in total. For a Master's degree program the maximum limit shall be two semesters in total.

- However, not more than two semesters in succession shall be allowed to be frozen at a time.
- (b) The student may re-enroll in the same semester which he/she had frozen.
 - (c) The semester fees of the frozen semester, if already paid, shall be allowed to roll over.
 - (d) Freezing shall only become effective when appropriately notified, failing which the name of the absentee student shall be struck off the campus rolls. In that case, resumption of studies shall only be allowed after payment of Admission Fee.

Withdrawal

- (a) A student may be allowed to withdraw from a course or a whole semester, as the case may be, at any time before the commencement of the second sessional test, with the permission of the Director of a campus/Incharge of Academic Affairs.
- (b) Withdrawal from a course or the whole semester, as the case may be, shall not result in academic penalty. However, the course/semester fees shall not be allowed to roll over, and the withdrawn courses/semester shall be mentioned in the transcript.
- (c) A withdrawn semester shall count towards the maximum permissible number of semesters as explained in section 25.

Migration

Migration of students from other educational institutions to the Institute shall not be allowed. However, within the Institute students may be allowed to migrate from one campus to another on case-to-case basis, only under special circumstances, with the mutual consent of the two campuses, and after the approval of the relevant authority. Migration shall only be allowed before the commencement of a semester.

Dues

Students shall be required to pay admission fee, tuition fee, and such other charges as may be determined from time to time.

Refund of Dues

- (a) After payment of the semester fees, if a student wishes to quit studies for whatever reason, no refund shall be allowed except the caution money.
- (b) Candidates whose result was awaited and were allowed provisional admission, on failing to meet the requisite criteria upon the declaration of result, shall not be allowed any refund of fee except the caution money.
- (c) If a student who is dismissed and has already paid the next semester dues, shall be refunded such paid dues.

Regulations Governing Students Discipline

Competent Authorities

In order to facilitate maintenance of student discipline on the campuses, following shall be the competent authorities:

- (a) The Rector
- (b) Discipline Committee
- (c) The Directors
- (d) Campus Discipline Committee
- (e) Provost
- (f) Officer In-charge of Student Affairs

Discipline Committee

- (a) The Discipline Committee shall comprise the following members:
 - (i) The Rector or his/her nominee, as Chairman;
 - (ii) Two Professors nominated by the Academic Council, as members;
 - (iii) One member nominated by the Board, as member;
 - (iv) The Provost, as member who shall also act as Secretary.
- (b) The terms of office of the members of the Discipline Committee other than the ex-officio members shall be two years.
- (c) The quorum for a meeting of the Discipline Committee shall be three members.
- (d) The functions of the Discipline Committee are to:

- (i) Deal with all cases of indiscipline and misconduct of students in the Institute and in the Campuses.
 - (ii) Propose Regulations to the Academic Council for the conduct of students, maintenance of discipline, and for dealing with cases of indiscipline; and
 - (iii) Perform such other functions as may be assigned to it by the Regulations.
- (e) An appeal against the decision of the Discipline Committee shall lie with the Rector, whose decision shall be final and binding.

Campus Discipline Committee

The Campus Discipline Committee for each campus shall comprise the following members:

- (a) The Director or his/her nominee, as Chairman;
- (b) Three senior teachers to be nominated by the Director as members.
- (c) The In-charge Student Affairs, as member who shall also act as Secretary.

Acts of Indiscipline

The following, among others, shall constitute as acts of indiscipline cognizable under these Regulations:

- (a) Violation of public morals, such as use of indecent and abusive language; undesirable verbal remarks and vulgar gestures; acts of moral turpitude; disorderly behavior; quarreling; fighting; insolence towards others; use of force; breaking laws; etc.
- (b) Indulgence in acts that may cause insult or bodily injury to fellow students, teachers, officers, staff & other employees.
- (c) Defiance of lawful authority.
- (d) Spreading by word of mouth or written material religious, sectarian, ethnic, regional or linguistic conflict, or hatred.
- (e) Impersonation, giving false information, willful suppression of information, cheating, deceiving, plagiarizing.

- (f) Possession, carrying or use of any type of weapons/fire arms or explosive material in the premises of the campus.
- (g) Damaging campus property, including its buildings, equipment, vehicles, etc.
- (h) Using campus property, including its buildings, equipment, vehicles, etc. without lawful authority.
- (i) Encouraging, assisting or aiding another person to commit misconduct.
- (j) Possession, sale, distribution or consumption of intoxicants/drugs on campus.
- (k) Using of student organizations for furthering the cause of a political party.
- (l) Circulation by word of mouth or in written form material derogatory to Pakistan, Islam or any other religion.
- (m) Allowing or abetting entry of expelled/rusticated students or anti-social elements to the campus.
- (n) Obstructing the smooth functioning of the campus or causing disruption of curricular/co-curricular/extracurricular activities.

Punishments/Penalties For Acts Of Indiscipline

Punishments or penalties for acts of indiscipline shall be commensurate with the gravity of the offence, and may be any one or combination of the following, or any other punishment or penalty deemed appropriate by the Discipline Committee, or Campus Discipline Committee, as the case may be:

- (a) Minor Punishments / Penalties
 - (i) Censure or warning in writing.
 - (ii) Probation for a specified period.
 - (iii) A fine of under Rs 10,000 commensurate with the nature and extent of the act of indiscipline.
 - (iv) Withholding of a certificate of good moral character for a specified period.
 - (v) Withholding benefits/privileges available to the students of the campus for a specified period.
 - (vi) Withholding of an examination result for a specified period.

- (vii) Declining admission in the campus hostel.
 - (viii) Withdrawal of membership from students' clubs/ societies.
 - (ix) Ban on representing the Campus and the Institute for a specified period.
 - (x) Cancellation of financial benefits/ concessions for specific period.
- (b) Major Punishments / Penalties
- (i) A fine of over Rs10,000, commensurate with the nature and extent of the act of indiscipline.
 - (ii) Suspension of admission and ban on entry into the campus for a specified period.
 - (iii) Cancellation of an examination result.
 - (iv) Rustication from the Institute for a specified period and ban on entry into the campus.
 - (v) Expulsion from the Institute and ban on entry into the campus.

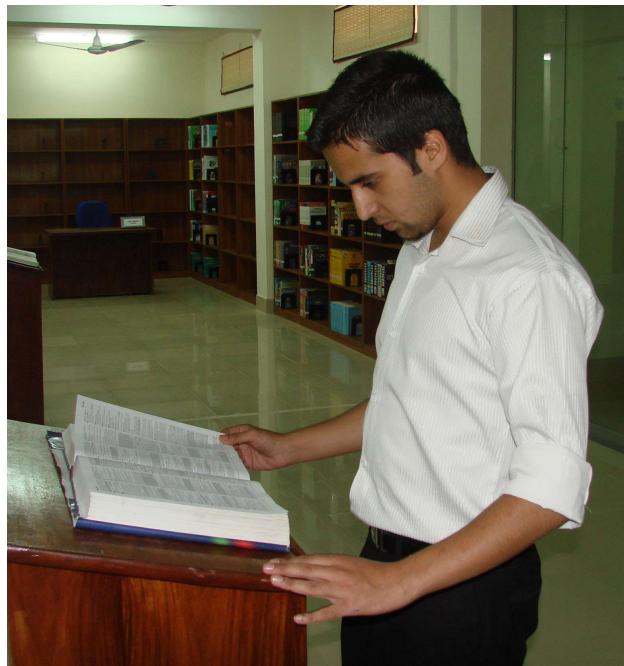
Procedure for Dealing with Acts of Indiscipline

Acts of indiscipline shall be reported to the Discipline Committee or the Campus Discipline Committee, as the case may be, for dealing with the case, which shall follow the following procedure:

- (a) The Secretary Discipline Committee or Campus Discipline Committee, as the case may be, shall issue a show-cause notice to the student charged with an act of indiscipline.
- (b) The Discipline Committee or Campus Discipline Committee, as the case may be, shall ensure that the student against whom disciplinary proceedings have been initiated is given adequate opportunity to explain his/ her conduct.
- (c) The Discipline Committee or Campus Discipline Committee, as the case may be, may ask, if necessary, the student(s) charged with an act of indiscipline to personally appear before the Committee.
- (d) In case the reply to the show-cause notice is not received

within the specified time, or if the student concerned fails to appear before the Committee when so required, the Committee may take an ex-parte decision.

- (e) An appeal against the decision of the Discipline Committee or Campus Discipline Committee, may be filed with the Rector or Director, within 15 days of the notification of the decision.
- (f) The Rector or Director, as the case may be, shall dispose off the appeal himself/herself or refer it to an Appellate Committee, comprising three senior most teachers, for review. The decision of the Rector or Director, as the case may be, shall be final, who may also provide an opportunity of personal hearing to the student(s) charged with act(s) of indiscipline.
- (g) In order to create an effect of deterrence against acts of indiscipline, the notification of the decision of penalties may be placed on the campus notice board and/or in the public media.





CIIT CONTACTS

ADMISSION OFFICE CONTACTS

Following admission offices may be contacted for any admission inquiry:

CIIT Islamabad

Additional Registrar(Academics)/Incharge Admissions

Mr. Nadeem uddin Qureshi
Phone(Off):051-8318471-Ext:222
Fax(Off):051-8318499
E-mail:qureshi@comsats.edu.pk

CIIT Abbottabad

- Syed Kamran Shafiq Hashmi**
Incharge Admission Cell
Phone (Off) 0992-383591-6
Fax (Off) 0992-383441
E-mail: kamranhashmi@ciit.net.pk

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

CIIT Wah

- Mr. Badar Suleman**
Assistant Professor
Phone (Off): 051-9272614~5, 9274056, 9314371
Fax (Off.): 051-4546850
E-mail: badar5@hotmail.com

CIIT Lahore

- Mr. Shahid Latif**
Admission Officer / Public Relation Officer
Phone (Off): 042-9203101, 5321090,
042-111001007 - Ext 215
Fax (Off.): 042-9203100
E-mail: pro@ciitlahore.edu.pk

CIIT Attock

- Mr. Ibrar Hussain**
Admission Officer
Phone (Off): 057-9316330-31
Fax (Off.): 057-9316329
E-mail: admissions_attock@comsats.edu.pk

- Malik Saleem Khan**
Assistant Resgistrar
Phone (Off): 057-9316330 Ext: 111
Fax (Off.): 057-9316329
E-mail:admissions_attock@comsats.edu.pk

CIIT Sahiwal

- Rana Adeel Abad**
Assistant Registrar
Phone 040-4016302
Fax 040-9200100
E-mail: admissions@ciitsahiwal.edu.pk
info@ciitsahiwal.edu.pk

CIIT Vehari

Mr. Yasir Ikram
Admission Office
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Director Academics

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Registrar

Dr. Arshad S. Malik
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Director External Campuses

Dr. Haroon Rashid
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E-mail: haroon@ciit.net.pk

Controller of Examination

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