

Undergraduate  
Prospectus 2009-10

*Learn to Excel*

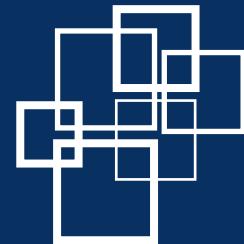


**COMSATS** Institute of Information Technology

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



# GREETINGS FROM THE RECTOR

## Greetings from the Rector

It is my privilege to address you as you go through our Undergraduate Prospectus and very much 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 hope that you will feel proud to be a part of this system. The place where you take your first degree is distinctive. CIIT is an institution which not only offers great undergraduate curriculum but is also unrivalled in post graduate studies.

Since its establishment in 2000, as a degree awarding institute, CIIT has always been at the forefront of innovations and has played proactive role in shaping and pushing the modern day higher education scene in Pakistan. Since its inception, CIIT has been marching ahead, never looking back, committed to excellence in teaching and research. It has over 14,000 full time students studying in a wide range of undergraduate and graduate programs.

At CIIT, we take immense pride in being one of the top ranked research universities in Pakistan. We promote a culture of creating knowledge, which means you will learn from distinguished faculty. Your CIIT education will not only equip you with the necessary knowledge to achieve great things but will also encourage and enable you to share your gifts anywhere in the world. Your achievements underline our success as a university. Our commitment to the advancement of knowledge and our remarkable achievements in research is evidence of our success. This success has lead to the increasing number of students joining the CIIT every year.

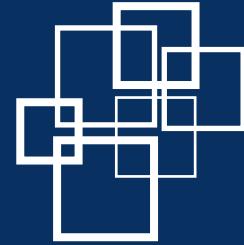
Each year we welcome thousands of students from all kinds of backgrounds. Some have a family tradition of



higher education, others will be the first to start out on the route to an advanced qualification. Each student is unique with a particular package of culture, gender and experiences making up their background. We treat everyone as an individual and try to ensure that all students have a rewarding experience of higher education. I personally extend you an invitation to come and visit us at any of our six campuses and experience the difference that opens your mind and unleash your 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: "Learn to excel". We welcome you on your journey towards new opportunities as you begin to realize your intellectual and professional dreams.

With Best Wishes,

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

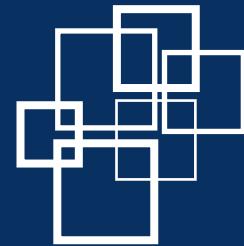


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# INTRODUCTION

## Welcome to CIIT

CIIT began its voyage in the midst of challenges posed by the ever growing demands emanating from the changing environment in the global economy. The trends in the world economy were marked by the phenomena of diversification, relocation, mergers, restructuring, outsourcing, ever-increasing product market competition and deregulation of markets; and the new era of Internet and Information Technology was driving and forcing every nation on the planet to innovate, transform and evolve itself to changing conditions. In this emerging scenario, organizations were driven to continually improve their performance by reducing costs, innovating products and processes, and improving quality, productivity and speed to 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 Shan Plaza. 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 March 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 Campus which was established in 2006 and the Vehari campus is in process of being functional. 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 six campuses, 5 faculties, 14 departments and 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

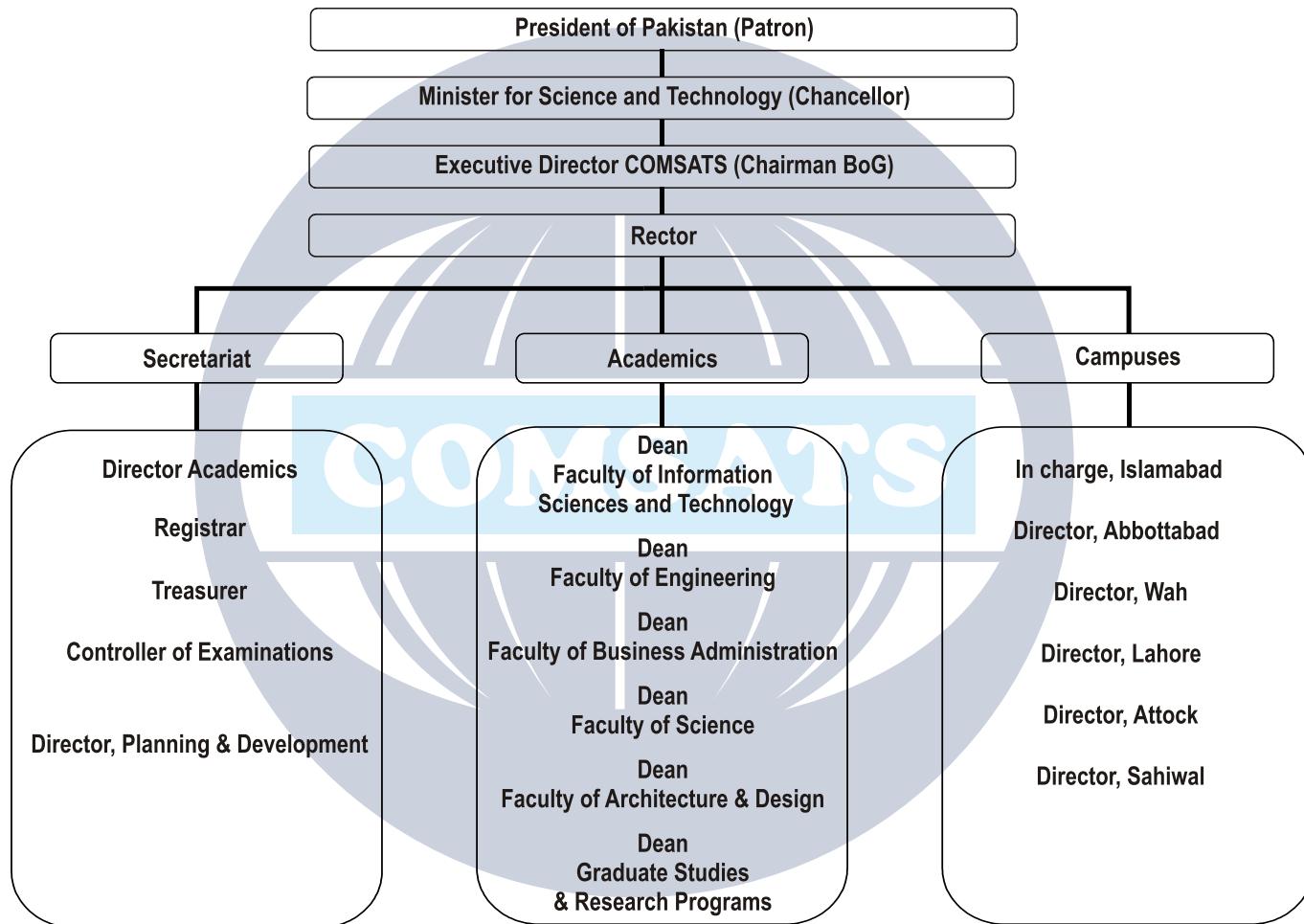
The CIIT, besides its principal campus at Islamabad, has five other fully functional campuses at Abbottabad, Wah, Lahore, Attock and Sahiwal while few more campuses at Vehari, Gujrat, Toba Tek Singh, Quetta are in the advanced planning stages. On the advice of the Federal Government, efforts are also 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.

# Board of Governors

S.No	Names with Qualification	Type of Membership	Designation
1	Dr. Imtian Elahi Qureshi, T.I PhD	Chairman	Executive Director COMSATS
2	Mr. Muhammad Kashif Murtaza, M.Sc.	Member	Secretary Ministry of Science & Technology
3	Mr. Abdur Rauf Chaudhry, M.A.	Member	Secretary Ministry of Education
4	Dr. Naveed A. Malik, S.I. PhD	Member	Rector Virtual University
5	Dr. Khalid Mahmood Khan, S.I. PhD	Member	Vice Chancellor University of Arid Agriculture
6	Dr. Samar Mubarakmand, N.I., H.I., S.I PhD	Member, Person of Outstanding merit	Member Planning Commission
7	Dr. N. M. Butt, S.I. PhD	Member, Person of Outstanding merit	Scientist Emeritus, PINSTECH
8	Dr. Anwar ul Haq, SI, POP, TB, PhD	Member Person of Outstanding merit	Adjunct Professor
9	Dr. S. M. Junaid Zaidi, S.I PhD	Member	Rector CIIT
10	Dr. Haroon Rashid, PhD	Member	Director CIIT Abbottabad Campus

S.No	Names with Qualification	Type of Membership	Designation
11	Dr. Shaukat Ali Hayat , PhD	Member	Director CIIT Lahore Campus
12	Dr. Muhammad Tahir Mukhtar , PhD	Member	Director CIIT Wah Campus
13	Dr. Munir Akhtar , PhD	Member	Director CIIT Attock Campus
14	Prof. Dr. Mahmood A Bodla, PhD	Member	Director CIIT Sahiwal Campus
15	Prof. Dr. Raheel Qamar, T.I. PhD	Member	Dean Faculty of Sciences
16	Prof. Dr. Talat Afza , PhD	Member	Dean Faculty of Business Administration
17	Dr. Arshad S. Malik , PhD	Member/ Secretary	Registrar CIIT

# Administrative Structure



## Why COMSATS

**'Knowing the tool is not that important compared to the ability to use the tool'**



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 selected 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.htm](http://hec.gov.pk/QualityAssurance/Ranking_lists.htm)

### **Accreditation of Engineering Programmes:**

Under graduate engineering degree programmes 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 190 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 and off and on seminars and workshops are held 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.

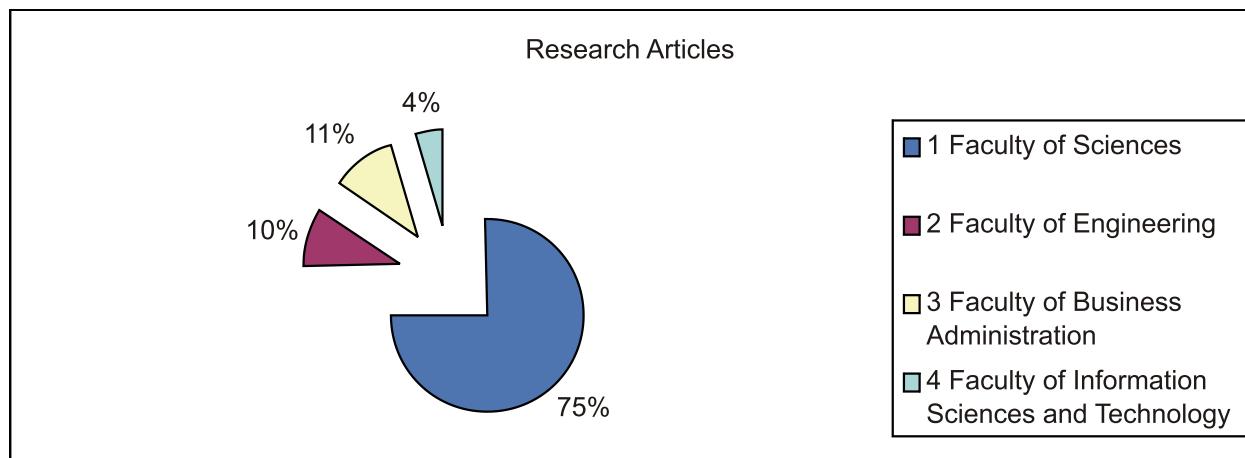
### **Research Output:**

Faculty members are quite active in research in their respective fields and the total number of research articles published by them during January to

December 2007 is as follows:

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.

No.	Faculties	Research Articles
1.	Faculty of Sciences	172
2.	Faculty of Engineering	22
3.	Faculty of Business Administration	26
4.	Faculty of Information Sciences and Technology	10
	Total	230



## 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 loads 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

### ① Chapters of International Organizations in Pakistan

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

#### a. Edward De Bono Foundation Pakistan:

This is an internationally recognized organization which is committed to the promotion of teaching and training of 'thinking' skills at all levels, and to encourage the inclusion of 'thinking' as part of approved curriculum. CIIT has established its Pakistan Chapter with an initial loan of more than Rs. 2 million at its premises.

#### b. Inter Islamic Network on Information Technology:

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

the use of Information and Communication Technologies and associated systems among the OIC member states. The INIT has been operational at CIIT since June 2002.

### ② 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)

### ③ 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.

### ④ 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:

#### a. 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.

**b. 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.

**c. 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.

**d. 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.

**e. 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.

**f. Postgraduate Diplomas for Students from Balochistan**

CIIT offered a one-year Post Graduate Diploma in

IT for engineering and science graduates from Baluchistan.

**⑤ 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.

**⑥ 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.

**⑦ 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 select 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.

#### **I. International MoUs**

- 1 Otago University, Dunedin, New Zealand
- 2 Simon Fraser University, Canada
- 3 University of British Columbia, Canada
- 4 University of Sheffield, UK
- 5 University of Bedfordshire, UK
- 6 Azerbaijan National Academy Of Science, Azerbaijan
- 7 Swansea University, UK

- 8 Cardiff University, UK
- 9 Sungkyunkwan University, Seoul, South Korea

#### **II. International MoUs**

- 1 University of Bradford, UK
- 2 University of Lancaster, UK
- 3 University of Sussex, UK
- 4 University of Leicester, UK
- 5 Tampere University of Technology, Finland
- 6 Helsinki University of Technology, Finland
- 7 The University of Glasgow, UK
- 8 University of Illinois, Urbana-Champaign, USA
- 9 University of Nebraska, USA
- 10 Queen Mary, University of London
- 11 Joint Institute of Nuclear Research, Dubna, Russia
- 12 Nankai University, China
- 13 University of Surrey, U.K
- 14 University of Applied Sciences, Dortmund, Germany.
- 15 The University of Hull, UK
- 16 The University of Essex, UK
- 17 University of Leeds, U.K
- 18 Michigan Technological University, Houghton, USA
- 19 Merseburg University of Applied Sciences, Germany
- 20 National Center for Atmospheric Research, Boulder CO, USA
- 21 Norwegian Seismic Array, NORSAR, Kjeller, Norway
- 22 Islamic University in Uganda, Uganda
- 23 Teralight (SMC-Pvt.) Limited
- 24 Alliance Francaise, Islamabad (French Based)
- 25 Beijing Language and Culture University, China
- 26 Beijing Institute of Technology, China
- 27 Graduate School of the Chinese Academy of Sciences, China
- 28 Tongji University, China
- 29 Harbin Institute of Technology, China
- 30 University of Bologna, Italy

### III. National MoUs

- 1 A.Q. Khan Research Laboratories, Kahuta
- 2 Lasbela University of Agriculture, Water & Marine Science, Uthal
- 3 Armed force Institute of Cardiology, Rawalpindi
- 4 Faculty of Engineering, Military College of Signals, National University of Sciences & Technology
- 5 National Institute of Banking and Finance
- 6 Pakistan Institute of Nuclear Science and Technology
- 7 Pakistan National Accreditation Council
- 8 Pakistan Meteorological Department
- 9 Pakistan Council of Renewable Energy Technologies
- 10 Pakistan Council of Scientific & Industrial Research
- 11 National Institute of Electronics
- 12 National Engineering and Scientific Commission

### 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 programmes. 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 for 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 in all campuses of CIIT.
- Implementation of all the SA process by all the department in all 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.

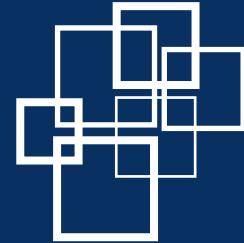
Recently we have launched a job portal for students in collaboration with Rozee.pk, a renowned placement company of Pakistan to help students find their jobs through advertising themselves at the portal for the prospective head hunters. Wherever you are in your academic career freshmen through PhD we 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.

### 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.



# ACADEMICS

Faculties, Departments and Academic Programs

# ACADEMICS

## Faculties

Faculties operational at CIIT are:

- Faculty of Information Sciences & Technology
- Faculty of Engineering
- Faculty of Business Administration
- Faculty of Sciences
- Faculty of Architecture & Design

## Departments

At present, the following Departments have been established under the above mentioned Faculties under the provision of Section 26(1) of the CIIT Ordinance:

### Faculty of Information Sciences & Technology

- Department of Computer Science

### Faculty of Engineering

- Department of Electrical Engineering
- Department of Chemical Engineering
- Department of Mechanical Engineering

### Faculty of Business Administration

- Department of Management Sciences
- Department of Development Studies

### Faculty of Sciences

- Department of Mathematics
- Department of Physics
- Department of Bio-Sciences
- Department of Environmental Sciences

- Department of Meteorology
- Department of Chemistry
- Department of Pharmacy

### Faculty of Architecture & Design

- Department of Architecture

## Academic Programs

The following undergraduate programs are offered at different campuses of CIIT.

### Islamabad

- BS in Computer Science: BS (CS)
- BS in Computer Engineering: BS (CE)
- BS in Electrical (Telecommunication) Engineering: BS (TE)
- BS in Business Administration: BS (BA)
- BS in Economics: BS (EC)
- BS in Mathematics: BS (Maths)
- BS in Physics: BS (Phy)
- BS in Electronics: BS (Elec)
- BS in Bioinformatics: BS (BI)
- BS in Biosciences: BS (BS)
- Bachelor of Architecture: B Arch
- Master of Business Administration: MBA
- Master of Project Management: MPM
- Master of Energy Management: MEM

### Abbottabad

- BS in Computer Science: BS (CS)
- BS in Telecommunication & Networking: BS (TN)
- BS in Computer Engineering: BS (CE)
- BS in Electronics Engineering: BS (EE)

- BS in Electrical (Power) Engineering: BS (EPE)
- BS in Environmental Sciences : BS (ES)
- BS in Economics: BS (EC)
- BS in Earth Sciences: BS (ERS)
- BS in Multimedia and Graphics: BS (MG)
- BS in Business Administration: BS (BA)
- Doctor of Pharmacy (D-Pharm)
- Master of Business Administration: MBA
- Master of Development Studies: MDS

#### **Wah**

- BS in Computer Science: BS (CS)
- BS in Telecommunications & Networking: BS (TN)
- BS in Computer Engineering: BS (CE)
- BS in Telecom Engineering: BS (TE)
- BS in Mechanical Engineering: BS ( ME )
- BS in Business Administration: BS (BA)
- Master of Computer Science: MCS
- Master of Business Administration MBA

#### **Lahore**

- BS in Computer Science: BS (CS)
- BS in Computer Engineering: BS (CE)
- BS in Electrical (Telecommunication) Engineering: BS (TE)
- BS in Chemical Engineering: BS (ChE)
- BS in Physics: BS (Phy)
- BS in Business Administration BS(BA)
- Bachelor of Architecture: B Arch
- Master of Computer Science: MCS
- Master of Business Administration: MBA

#### **Attock**

- BS in Computer Science: BS (CS)
- BS in Business Administration: BS (BA)
- Master of Business Administration : MBA
- Master of Computer Science: MCS

#### **Sahiwal**

- BS in Computer Science: BS (CS)
- BS in Business Administration: BS (BA)
- BS in Bioinformatics: BS (BI)
- BS in Biosciences: BS (BS)
- BS in Mechanical Engineering: BS (ME )
- Master of Business Administration: MBA

# Faculty of Information Science And Technology



The Department of Computer Science runs under the Faculty of Information Science and 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 Programmes**

Following programmes are being offered to our prospective students during the Fall 2009 and Spring 2010 semesters.

### **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.

## **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 programme 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



### 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 and Spring
Semesters	8	8	4
Number of Years	Four Years	Four Years	Two Years
Credit Hours	136	136	72
<b>Campus Offering</b>	Islamabad, Wah, Abbottabad, Lahore, Attock and Sahiwal Campuses	Wah and Abbottabad Campuses	Lahore, Wah and Attock Campuses

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.

### Programmes Planned to be offered in future by Computer Science Department:

Department of Computer Science is planning to launch specializations in the Bachelors 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

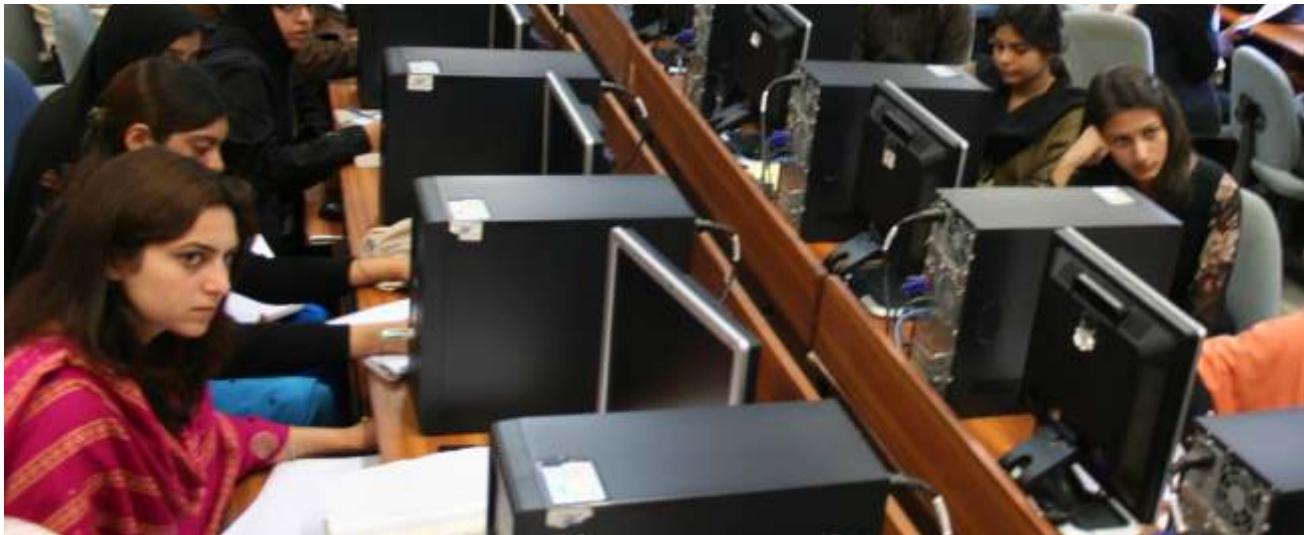
In February 2007 Health Informatics Unit at CIIT began educating health professionals in the Health Informatics Master's degree programme.

Capitalizing on the initial success, the newly designed Health Informatics Programme now offers unique and comprehensive Medical graduates and Allied health professionals training programme in Health Informatics introduced first time in the country as a pioneering programme. The mission of the multidisciplinary Health Informatics Programme 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.

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 of the Department of Computer Science  
Islamabad Campus**

S. No	Name	Designation	Qualification
1.	Dr. Mahboob Yasin	Professor/Chairman	PhD (Open University Milton Keynes) UK
2.	Dr. Khalid Rashid	Professor/Head of Department	PhD (Nagoya University) Japan
3.	Dr. Maqbool Uddin Shaikh	Professor	PhD (University of Liverpool) UK
4.	Dr. Sajjad Mohsin	Associate Professor	PhD (Hokkaido Institute) Japan
5.	Dr. Shafaat A.Khan	Advisor (HI Unit)	MBBS (Cairo) MPH, MD (New York University) USA
6.	Zulqarnain Jaffery	Assistant Professor	MSc (Quaid-e-Azam University) Islamabad
7.	Ikram-ul-Haq	Assistant Professor	MS (University of Wales) UK
8.	Abdush Shakur	Assistant Professor	MS (CIIT) Islamabad
9.	Dr. Nasaro min Allah	Assistant Professor	PhD (China)
10.	Mukhtar Azim	Assistant Professor	MS (UET) Taxila
11.	Muhammad Mustafa Khattak	Assistant Professor	MS (in progress NUST)
12.	Rizwana Irfan	Assistant Professor	MS (in progress) CIIT
13.	Qasim Arshad Ch.	Assistant Professor	MS (New Jersey Institute of Technology) USA
14.	Basit Shahzad	Assistant Professor	MS (CSE) NUST
15.	Dr. Shahid Nazir Bhatti	Assistant Professor	PhD (Johannes Kappler University Linz) Australia
16.	Dr. Abid Khan	Assistant Professor	PhD (HIT) China
17.	Dr. Manzoor Illahi	Assistant Professor	PhD, China

**Abbottabad Campus**

S. No	Name	Designation	Qualification
1.	Dr. Kalim ud Din Qureshi	Professor	PhD Muroran Institute of Technology, Muroran, Hokkaido, Japan (2000)
2.	Dr. Nadeem ul Hassan Daudpota	Associate Professor	PhD Beijing University of Aeronautics and Astronautics (1996)
3.	Dr. Arjumand Zehra Zaidi	Assistant Professor	PhD George Mason University, USA (2005)
4.	Saadat Iqbal	Assistant Professor	MS Quaid-e-Azam University, Islamabad(1994)
5.	Dr. Muhammad Waqas Anwar	Assistant Professor	PhD Harbin Institute of Technology, China(2008)

S. No	Name	Designation	Qualification
6.	Eraj Khan	Assistant Professor	MS Halmstad University, Sweden(2007)
7.	Ejaz Ahmed	Assistant Professor	MS Queen Mary University, UK (2007)
8.	Dr. Sajjad Ahmad Madani	Assistant Professor	PhD Vienna University of Technology, Austria(2008)
9.	Muhammad Taimoor Khan	Assistant Professor	MS University of Leicester, UK (2008)
10.	Muhammad Tariq	Assistant Professor	MS Gomal University, Dera Ismail Khan (1996)
11.	Allah Bux Sargano	Assistant Professor	MS University of Sindh, Jamshoro (2001)
12.	Tanveer Ahmed	Assistant Professor	MS Govt College University, Lahore (2004)
13.	Syed Faisal Ali	Assistant Professor	MS IQRA University, Karachi (2004)
14.	Irshad Ahmad	Assistant Professor	MS IMS, Peshawar (2006)
15.	Jawad Haider Kazmi	Assistant Professor	MS CIIT, Abbottabad (2008)
16.	Safdar Zaman	Assistant Professor	MS Islamic International University, Islamabad (2007)
17.	Dr. Qazi Mudassar Ilyas	Assistant Professor	PhD Huazhong University of Science & Technology, Wuhan (2005)
18.	Muhammad Shakeel	Assistant Professor	MS Korea Advanced Institute of Science & Technology (2005)
19.	Aftab Hussain	Senior Manager / Assistant Professor	MSc Al Khair University (2002)

### Wah Campus

S. No	Name	Designation	Qualification
1.	Muhammad Sharif	Assistant Prof/HOD	MCS Quaid-e-Azam University, Islamabad
2.	Ms. Mussarat Abdullaah	Assistant Professor	MCS Quaid-e-Azam University, Islamabad
3.	Najam ul Ikram Qazi	Assistant Professor	MCS Peshawar University
4.	Faisal Shafique Butt	Assistant Professor	MSE CIIT Islamabad
5.	Riaz Ahmed Bhatti	Assistant Professor	MCS CASE (2006)
6.	Faisal Azam	Assistant Professor	MCS University of Arid Agriculture, Rawalpindi
7.	M.Tariq Zafar Chishty	Assistant Professor	MCS Gomal University, D.I.Khan
8.	Tariq Umer	Assistant Professor	MCS, Baha udin Zakariya University, Multan (1997)
9.	Dr. Ehsan Ullah Munir	Assistant Professor	PhD China 2008
10.	Ms. Sulma Rasheed	Assistant Professor	MCS University of Arid Agriculture, Rawalpindi

**Lahore Campus**

<b>S. No</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>
1.	Dr. Muhammad Rafiq Asim	Dean	PhD University of Leeds, UK
2.	Dr. Syed Asad Hussain	HOD	PhD Queens University of Belfast, UK
3.	Dr. J.S.Mirza	Advisor	Ph.D Salford University, UK
4.	Dr. Muhammad Ahtisham Aslam	Assistant Professor	PhD University of Leipzig, Germany
5.	Mr. Faisal Tahseen Shah	Assistant Professor	Ph.D in progress, MBA (USA)
6.	Mr. Nadeem Ghafoor Chaudhry	Assistant Professor	MS (U Mass), USA
7.	Mr. Muhammad Emran	Assistant Professor	MS (CIIT) Lahore
8.	Mr. Aman Ullah	Assistant Professor	MCS (UET) Lahore
9.	Mr. Farooq-e-Azam	Assistant Professor	MS (UET) Lahore
10.	Mr. Rizwan Qureshi	Assistant Professor	MS (CIIT) Lahore
11.	Mr. Rizwan Ahmad	Assistant Professor	MS NUST Rawalpindi
12.	Mr. Abdul Karim Shahid	Assistant Professor	MS, ITM (Keele) UK
13.	Mr. Rizwan Jamil Qureshi	Assistant Professor	MS Staffordshire, UK

**Attock Campus**

<b>S.No</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>
1.	Ch.Anwar Shaukat	Incharge/ Assistant Professor	MIT, University of Canberra, Australia
2.	Ibrar Hussain	Assistant Professor	MS (Queen Mary University) London

**Sahiwal Campus**

<b>S. No</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>
1.	Azhar Manzoor	Assistant Prof/Incharge Department	M.Sc

## Department of Computer Science



Islamabad



Abbottabad



Wah



Lahore



Attock



Sahiwal



# Faculty of Engineering



## **Faculty of Electrical 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 Offered**

Following Programs are being offered to prospective students during Fall 2009 and Spring 2010 semesters:

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

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

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

Keeping in mind the demands of this new industrial base, the degree includes latest digital technologies as well as traditional communication techniques. The sub-specialization options may include optical communication systems, wireless communication systems and radar, navigational aids, radio and television technologies.

#### **3. Bachelor of Science in Electronics Engineering: BS (EIE)**

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 (EPE)**

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

#### **Learning Enhancing Activities**

The first two years (or four semesters) are common to all streams of academic programs being offered, in

#### **Quick Program Facts**

Programs	BS(CE)	BS(ETE)	BS(EIE)	BS(EPE)
Eligibility	Intermediate or equivalent, with Physics, Mathematics, Chemistry / Computer Science / Computer Studies with minimum 50% 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 50% 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 50% 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 50% 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
Campus Offering	Islamabad, Wah, Abbottabad, Lahore and Attock	Islamabad and Lahore	Abbottabad and Attock	Abbottabad

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 352. The Telecom degree is also HEC and PEC recognized. Today 293 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 goal 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.

### 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.

### The objectives of CAST are:

- 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 of CAST**

S. No	Name	Designation	Qualification
1.	Mr. Naseem Khan	Advisor	PGD London
2.	Dr. Naeem Zafar Azeemi	Assistant Professor/Director	PhD Technical University, Vienna, Austria
3.	Dr. Babar K. Minhas	Associate Professor	PhD University of New Mexico, USA
4.	Dr. Ataul Aziz Ikram	Assistant Professor	PhD
5.	Muhammad Tanveer	Assistant Professor	MSc Linkoping University, Sweden

**Senior Faculty Members of the Department of Electrical Engineering Islamabad Campus**

S. No	Name	Designation	Qualification
1.	Dr. Shahid Ahmad Khan	Prof/Dean	PhD University of Portsmouth, UK
2.	Dr. Nusrullah Khan	Prof/Chairman	PhD University of Essex, UK
3.	Dr. Hassan Ahmad	Associate Prof/Head	PhD University of Manchester, UK
4.	Dr. Shahzad A. Malik	Associate Prof	PhD ENST, France
5.	Dr. Izhar ul Haq	Associate Prof	PhD Quaid-i-Azam University, Islamabad
6.	Dr. Shaista Shahzada	Assistant Prof	PhD Quaid-i-Azam University, Islamabad
7.	Dr. Shahrukh Agha	Assistant Prof	PhD Loughborough University, UK
8.	Azhar Yasin	Assistant Prof (on study leave) Sweden	MS, PTH Sweden
9.	Yasir Ahmed	Assistant Prof (on study leave) UK	MSc Virginia Tech, USA
10.	Tanveer H.Syed	Assistant Prof (on study leave) New Zealand	MSc Auckland University of Technology, New Zealand
11.	Syed Tauqir Haider	Assistant Prof	MSc New Zealand
12.	Sumaya Haroon	Assistant Prof	MSc USA
13.	Shafayat Abrar	Assistant Prof	MSc King Fahad University of Petroleum & Minerals, Saudi Arabia
14.	Riaz Hussain	Assistant Prof	MSc North Carolina State University, USA
15.	Rana Liaqat Ali	Assistant Prof	MSc Quaid-i-Azam University, Islamabad
16.	Raja Ali Riaz	Assistant Prof	MSc UET, Taxila
17.	Mushtaq Ahmed	Assistant Prof	MSc UET Lahore

S. No	Name	Designation	Qualification
18.	Muhammad Arshad	Assistant Prof	MS Oxford Brooks University, UK
19.	Muhammad Mustafa Masud	Assistant Prof	MSc NUST, Rawalpindi
20.	Junaid Ahmed	Assistant Prof	MSc Oklahoma State University, USA
21.	Irfan Ahmed	Assistant Prof	BS Friends University, USA
22.	Ikhlaq Ahmed Khan	Assistant Prof	MSc University of Peshawar, MSc Cranfield Institute of Technology, UK
23.	Farook Ahmad Shah	Assistant Prof	MSc Michigan University, USA
24.	Fasih-ud-Din Butt	Assistant Prof (on study leave)	MS
25.	Tasawar Abbas	Assistant Prof	MSc
26.	Muhammad Shuja uddin	Assistant Prof	MSc
27.	Muhammad Aurangzeb Khan	Assistant Prof	MSc

### Abbottabad Campus

S.No	FullName	Designation	Qualification
1.	Dr. Saleem Farooq Shaukat	Professor	Post Doctorate ECUST (2002)
2.	Mir Salim Ullah	Advisor	MS College of Electrical & Mechanical Engineering, Rawalpindi (1964)
3.	Mukhtar Ahmad	Advisor	MS UET Lahore(1992)
4.	Nazir Ahmad	Advisor	Bachelor of Science UET, Peshawar (1974)
5.	Dr. Mushtaq Afzal Golra	Associate Professor	PhD University of Manchester, UK(1993)
6.	Dr. Abdur Rashid	Associate Professor	PhD University of Manchester (1993)
7.	Dr. Laiq Khan	Associate Professor	PhD University of Strathclyde Glasgow U.K (2003)
8.	Imdad Khan	Assistant Professor	MS NWFP UET Peshawar (2003)
9.	Shahid Khattak	Assistant Professor	MS PURDUE University Indiana (1997)

**UNDERGRADUATE PROSPECTUS 2009-10**

S.No	FullName	Designation	Qualification
10.	Muhammad Tahir Khan	Assistant Professor	MSc UET Taxila (2008)
11.	Atiq ul Anam	Assistant Professor	MS De La Salle University Manila (1997)
12.	Abdul Majid	Assistant Professor	MS University of Peshawar (1995)
13.	Sajid Aqeel	Assistant Professor	MS Quaid-e-Azam University, Islamabad (1998)
14.	Sadaf Saeed	Assistant Professor	MS Quaid-e-Azam University, Islamabad (2003)
15.	Saghir Ahmad	Assistant Professor	Bachelors of Science NWFP UET Peshawar (1998)
16.	Ch. Arshad Mehmood	Assistant Professor	MSc Sheffied University, UK (2007)
17.	Anjum Hussain Shah	Assistant Professor	MS UET Lahore (2008)
18.	Fozia Ayub	Assistant Professor	MS N.W.F.P University of Engineering & Technology, Peshawar (2004)
19.	Iftikhar Ahmad	Assistant Professor	MS UET Taxila (2004)
20.	Rohail Joses	Assistant Professor	Bachelors UET, Peshawar (1991)
21.	Owais	Assistant Professor	MS University of Sunderland, UK (2007)
22.	Fazal Wahab Karam	Assistant Professor	MS Royal Institute of Technology, (KTH), Stockhen, Sw (2007)
23.	Muhammad Ali Faisal	Assistant Professor	Master of Science University of Sindh, Jamshoro (2001)
24.	Tufail Habib	Assistant Professor	MS Aachen University, Germany (2004)
25.	Muhammad Tufail	Assistant Professor	Bachelors of Science University of Azad Jammu and Kashmir (1992)
26.	Saqib Mehmood	Assistant Professor	M.Sc NWFP UET Peshawar (2004)
27.	Irfanullah	Assistant Professor	Master of Science UET Lahore (2007)
28.	Dr. Muhammad Kamran Liaqat Bhatti	Assistant Professor	PhD vanovo State Power University, Russia (2007)
29.	Sajjad Ahmed	Assistant Professor	Master of Science Blekinge Institute of Technology, Sweden (2008)
30.	Sifat Ali Shah	Assistant Professor	Master of Science UET, Peshawar (2002)
31.	Akbar Ali Khan	Assistant Professor	Master of Science CIIT, Abbottabad (2007)
32.	Syed Ayaz Ali Shah	Assistant Professor	Master of Science NWFP UET Peshawar (2007)

**Wah Campus**

S.No	Name	Designation	Qualification
1.	Dr. M. Asmat Ullah Khan	Professor	PhD Atlanta University, USA
2.	Muhammad Saeed	Assistant Prof/HOD	MS Wayne State University, USA
3.	Farooq A. Orakzai	Assistant Prof	MS BTH Sweden
4.	Fasih-ur-Rehman	Assistant Prof	MSc Quaid-e-Azam University
5.	Dr. Sheraz Anjum	Assistant Prof	PhD China
6.	Shahzad Saleem	Assistant Prof (on study leave)	MSc (CASE)
7.	Dr. Akmal Javaid	Assistant Prof	PhD (China)
8.	Waqar Ishaq	Assistant Prof	MS George Mason, USA
9.	Arbab Masood Ahmad	Assistant Prof	MSc UET Taxila
10.	Muhammad Jaffar	Assistant Prof	BSc NWFP University of Engineering & Technology, Taxila
11.	Muhammad Iqbal	Assistant Prof (on study leave)	MS ICT, Islamabad
12.	Farhan Khurram	Assistant Prof	MS NUST
13.	Tariq Saleem	Assistant Prof	MS (Sir Syed UET Karachi
14.	Imran Ahmad Awan	Assistant Prof	MSc NUST
15.	Khaista Gul	Assistant Prof/DCE	MSc Wayne State University, USA
16.	Asim Aziz	Assistant Prof	MSc Hogskolan, Kalmar, Sweden
17.	Zarrar Javaid	Assistant Prof (on study leave)	MS NUST, Rawalpindi
18.	Zahoor Uddin	Assistant Prof	MS in progress, Air University Islamabad

**Lahore Campus**

No.	Name	Designation	Qualification
1.	Dr. Saleem Akhtar	HOD	PhD National Superior School of Telecommunication, France
2.	Dr. Sarwar Ehsan	Incharge Telecom Engineering	PhD Graz University of Technology, Austria
3.	Dr. Intesar Ahmad	Incharge Computer Engineering	PhD Australia
4.	Dr. Khalid Jamil	Assistant Prof	PhD Ohio State University, USA
5.	Ahmad Mudassar	Assistant Prof	BS NED University of Engineering & Technology, Karachi
6.	Amir Rashid Ch	Assistant Prof	MSc UET Lahore
7.	Ansar Saeed Hashmi	Assistant Prof	MSc UET Lahore
8.	Ejaz Ahmad Ansari	Assistant Prof (on study leave)	MS Georgia Institute of Technology, USA
9.	Hafiz Muhammad Asif	Assistant Prof (on study leave)	MSc King Fahad University, Saudi Arabia
10.	Haroon Ahmed Khan	Assistant Prof	MSc University of Esslingen, Germany
11.	Syed Khurram Sabih Zaidi	Assistant Prof	MS University of Leicester, UK
12.	M. Nadeem Rafiq	Assistant Prof (on study leave)	BSc UET, Taxila
13.	Manzar Ahmad	Assistant Prof	MSc AIT, Thailand
14.	Mirza Tariq Humayun	Assistant Prof (on study leave)	MSc Mediterranean University, Turkey
15.	Muhammad Ali	Assistant Prof	MSc Queens College, UK
16.	Muhammad Nadeem	Assistant Prof (on study leave)	MSc Royal Institute of Technology, Sweden
17.	Raheem Dad	Assistant Prof	MSc Cornell University, USA
18.	Shahid Ayub	Assistant Prof	MSc
19.	Yasser Majeed Siddiqi	Assistant Prof	MSc KANUPP Institute of Nuclear Power Engineering

**Attock Campus**

S.No	Name	Designation	Qualification
1.	Muhammad F. Fakhr	Assistant Prof	MS University of Detroit Mercy, USA

**CAST**



CAST Islamabad

**Department of Electrical Engineering**



Abbottabad



Islamabad



Wah



Attock



Lahore

## 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 Offered

Following Programs will be offered during Fall 2009 and Spring 2010 semesters:

### 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. Being a relatively new program, the Department will be graduating its first batch of Chemical Engineers in 2009. 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
Campus Offering	Lahore Campus

**Senior Faculty Members of the Department of Chemical Engineering  
Lahore Campus**

S.No	Name	Designation	Qualification
1.	Dr. Moinuddin Ghauri	Assistant Prof/Incharge/HOD	PhD Sheffield University, UK
2.	Dr. Muhammad Shamim Sabir	Advisor	PhD Strathclyde University, Glasgow, UK
3.	Dr. Pervez Khalid Butt	Advisor	PhD Imperial College, London, UK
4.	Dr. Asadullah Khan	Assistant Professor	PhD Imperial College, London, UK
5.	Dr. Murid Hussain	Assistant Professor	PhD KAIST, South Korea
6.	Dr. Nasir Mahmood	Assistant Professor	PhD Martin Luther University, Germany
7.	Dr. Muhammad Nadeem Kardar	Assistant Professor	PhD H.E.J. University of Karachi
8.	Aqeel Ahmad Bazmi	Assistant Professor	B.E. DCET Karachi
9.	Javed Ahmad	Assistant Professor	M.Sc Dalhousie University, Canada
10.	Abrar Inayat	Assistant Professor	M.Sc Melardalen University, Sweden
11.	Muhammad Ajmal	Assistant Professor	MSc TU Humburg, Germany
12.	Moazim Gulzar	Assistant Professor	MSc UET, Lahore



Lahore

## Department of Mechanical Engineering

Under the visionary senior management, it was decided to establish the Department of Mechanical Engineering at CIIT Wah and Sahiwal Campuses. 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

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.

The Department aims to:

- Attract highly motivated students and prepare them for the life long learning and practice of Mechanical Engineering in industry, government and academia.
- Develop a sound knowledge through an aggressive research that focuses on Mechanical Engineering related science and technology as well as interdisciplinary opportunities taking into account the local resource, talent and needs.
- Serve as a valuable resource for the people and the industry of the nation.

## 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 programme 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 of the Department of Mechanical Engineering  
Wah Campus**

No	Name	Designation	Qualification
1.	Dr. Tajammal Imran	Assistant Prof/HOD	PhD (Lund University of Technology) Lund, Sweden

**Sahiwal Campus**

No	Name	Designation	Qualification
1.	Dr. Riaz Ahmad Mirza	Professor/HOD	PhD
2.	Farhan Hameed	Assistant Prof	Masters



Wah



Sahiwal



# Faculty of Business Administration



## **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 around 4000 students enrolled in all six campuses and they are over 213 full time faculty members. All the six 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 Offered**

Following programs are being offered during the Fall 2009 and Spring 2010 semesters to prospective students:

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

CIIT's bachelor programme 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 8<sup>th</sup> semester. The minimum duration for the completion of this degree is eight semesters and a maximum of twelve semesters. The degree will be awarded on completion of minimum 130 credits with a CGPA of at least 2.0/4. The BS Economics programme 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 (two-year)**

CIIT's two-year MBA program offer 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 69 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 programme.

#### **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 (one-year)**

To meet the increasing demand for advanced business education from qualified applicants, CIIT initiated its "fast track" MBO program in 2007. The program differs from our conventional MBA program as it is of one year duration and open exclusively to students in possession of a four-year bachelor degree in business administration. 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 MBO 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. Masters of Business Administration (three-year)**

Business management is highly competitive these days and most demanding. This particular stream of MBA (3 years) has been initiated for those individuals who possess years of experience but professionally are not in possession of a formal degree. This programme is also open for those individuals who are from social sciences and want to pursue MBA alongwith their working. It suits the working

executives who can take up this programme without giving up their jobs and can take up 2-3 courses per semester. The reason for having a three-year programme is to provide an opportunity to the working people to acquire a degree simultaneously without giving up their jobs.

#### **6. Masters in Project Management**

Seeing the need for high-quality project management education in Pakistan, COMSATS Islamabad campus launched its Master of Project Management (MPM) programme 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 programme which is open to persons who have sixteen years of schooling, at least one years professional work experience, very good knowledge of English and who have qualified the NTS-GAT (or equivalent) test with minimum 50% marks. . Following its successful launch in Fall Semester 2008, the MPM will be offered only at COMSATS Islamabad campus from Spring Semester 2009 once a year. Intake is limited to maximum thirty students. 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.

## 7. Masters in Energy Management

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

## Quick Programme Facts

Programs	BS(BA)	BS(EC)	MBA(2-Year)	MBA(1-Year)
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	4	2
Number of Years	Four Years	Four Years	Two Years	One Year
Credit Hours	133	130	69	33
Campus Offering	Islamabad, Wah, Abbottabad, Lahore, Attock and Sahiwal	Islamabad and Abbottabd	Islamabad, Wah, Abbottabad, Lahore, Attock and Sahiwal	Islamabad, Wah, Abbottabad, Lahore and Attock

### 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 programmes. 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 programme 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 (2yrs) and MBA(1yr).

### **Role of the Department**

We believe that the Business Management department 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 Programmes**

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. Bachelor in Economics
2. Bachelors in Banking and Finance
3. 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 Member of the Department of Management Sciences  
Islamabad Campus**

S.No	Name	Designation	Qualification
1.	Dr. Qaisar Abbas	Associate Professor/Incharge/ Provost/Chairman	Post Doctorate (Cardiff University) UK, PhD (HRD) Nankai University Tianjin, China
2.	Dr. Muzzaffar Ali Qureshi	Advisor	PhD Rensselaer Polytechnic Institute New York, USA
3.	Dr. Muhammad Tahir Masood	Professor	PhD USA
4.	Dr. Abdel Hamid Nasr	Professor	PhD Charles University Prague, USA; Post Doctoral Certificate, Boston, Massachusetts, USA; Post Doctoral Research (Biostatistics) Warwick University, Coventry, UK
5.	Javid Zafar	Advisor	M.P.A. (USA) , M.A (English), M.A (Economics), M.Sc (Defence and Strategic Studies) Quaid-e-Azam University, Islamabad,
6.	Dr. Aurangzeb Zulfiqar Khan	Assistant Professor	PhD German University of Administrative Sciences, Speyer, Germany
7.	Dr. Shahab Alam Malik	Assistant Professor	PhD Harbin Institute of Technology, Harbin, China
8.	Dr. M. Zahid Iqbal	Assistant Professor	PhD (NUML) Islamabad
9.	Dr. Jamil Choudhry	Foreign Professor	PhD (Durham Business School) MSc (Nottingham) UK
10.	Ayaz Mehmood	Assistant Professor	MBA University of New Haven, CT, USA
11.	Attiya Siddiqui	Assistant Professor	M.A University of the Punjab, Lahore
12.	Mazhar Habib	Assistant Professor	M.A. University of the Punjab; M..A. University of Essex, UK
13.	Muhammad Tahir	Assistant Professor	MBA University of Hull, UK; MSc (Corporate Finance)
14.	Zehra Afreen Sayyid	Assistant Professor	MBA University of Bedfordshire, UK; MPA University of the Punjab, Lahore
15.	Mubashira Ghori	Assistant Professor	MS (National University) Singapore
16.	Hanniya Abid	Assistant Professor	MSc (Middlesex University) UK
17.	Naveed Ahmed Khan	Assistant Professor	MSc Quaid-e-Azam University, Islamabad
18.	Haroon Saleem	Assistant Professor	MBA (Texas) A & M University, USA
19.	Usman Ayub	Assistant Professor	MS
20.	Imran Ghafoor Chaudary	Assistant Professor	MSc CASE

S.No	Name	Designation	Qualification
21.	Laeeq Hassan Jaswal	Assistant Professor	MBA (International Islamic University) Islamabad
22.	Sarah Tariq	Assistant Professor	MBA Bahria Institute of Management, Islamabad
23.	Muhammad Khalid Sohail	Assistant Professor	MS CIIT, Islamabad
24.	Talat Mehmood Kiyani	Assistant Professor	MBA University of Wales, UK
25.	Umara Noreen	Assistant Professor	M.Phil (Foundation University) Rawalpindi
26.	Asif Khurshid Mian	Assistant Professor	MBA Arid Agriculture University, Rawalpindi
27.	Muhammad Mustafa Raziq	Assistant Professor	MBA Blekinge Institute of Technology, Sweden
28.	Khurshid Yousaf	Senior Project Manager	MPA (Quaid-e-Azam University), Islamabad
29.	Nasir Jamal Khan	Senior Project Manager	MBA (USA)
30.	Omer Mir	Senior Project Manager	MBA Dallas Baptist University, USA ; BSc University of Texas, USA

**Abbottabad Campus**

S.No	FullName	Designation	Qualification
1.	Dr. Syed Amjad Farid Hasnu	Professor	Post Doctorate University of Bradford
2.	Dr. Muhammad Mushtaq Khan	Associate Professor	PhD University of Groningen, Netherlands
3.	Azeem Shahzad	Assistant Professor	Master of Science University of Peshawar
4.	Syed Gohar Abbas	Assistant Professor	MBA University of Peshawar
5.	Dr Waseem Ikram	Assistant Professor	Master of Science University of Wales Institute
6.	Aziz Ullah Sayal	Assistant Professor	Master of Science Gomal University
7.	Muhammad Naveed Jan	Assistant Professor	MBA Institute of Business Administration Karachi
8.	Zaheer A. Khan	Assistant Professor	MBA Saint Louis University Saint Louis, MO, USA
9.	Mohammad Raza Ullah Khan Niazi	Assistant Professor	MBA Behria University, Islamabad
10.	Babar Khan Jadoon	Assistant Professor	Master of Science CIIT, Abbottabad
11.	Said Shah	Assistant Professor	Master of Science Mohammad Ali Jinnah University, Islamabad
12.	Dr. Shoaib Ahmad	Assistant Professor	PhD Quaid-e-Azam University, Islamabad
13.	Jamil Anwar	Assistant Professor	MBA Shah Latif University Sindh

## Abbottabad Campus

S.No	FullName	Designation	Qualification
14.	Dr. Kashif Rashid	Assistant Professor	PhD Victoria University, Melbourne
15.	Dr. Muhammad Qasim	Assistant Professor	PhD Texas Southern University Barbara Jordan-Mickey
16.	Ikram Ullah Khan	Assistant Professor	Master of Arts University of Punjab
17.	Syed Afzal Moshadi Shah	Assistant Professor	Master of Science University of Central England, Birmingham
18.	Salman Ahmad	Assistant Professor	Master of Science University of Strathclyde, Glasgow, UK
19.	Sauda Imtiaz	Assistant Professor	MBA Institute of Management Studies, University of Peshawar (2004)
20.	Azmat Hayat	Assistant Professor	Master of Arts University of Tsukuba, Japan (2005)
21.	Syed Nadeem Bokhari	General Manager	MBA The Birmingham University, Birmingham UK (1991)

## Wah Campus

S.No	Name	Designation	Qualification
1.	Dr. Mushtaq Ahmad	Advisor/Incharge	PhD University of NSW Australia/University of Wales UK,
2.	Dr. Saqib Gulzar	Assistant Professor	PhD Harbin Institute of Technology, China,
3.	Ahsan Qamar	Assistant Professor	MS University of Bridgeport, USA
4.	Adnan Tahir Qureshi	Assistant Professor	M.A, Baha udin Zakariya University,
5.	Faheem A.Khan	Assistant Professor	MBA (Christian University) Philippines
6.	Sufian Masood Sheikh	Assistant Professor	MBA UMT Lahore
7.	Safdar Nazeer	Assistant Professor	MPA (Quaid-e-Azam University)
8.	Amer	Assistant Professor	MBA (Hamdard University) Karachi
9.	Syed M. Fahim	Assistant Professor	MBA (MAJU) Islamabad
10.	Ajmal Khan	Assistant Professor	MA (National University of Modern Languages, Islamabad
11.	Naeem Taqi Jafri	Advisor(Academics)	M.A, Punjab University
12.	Abdul Salam Quddus	Advisor of Academics	MS Actuarial Sciences, Illinois University, USA
13.	Tahira Asif	Manager Student Affairs	M.A, Punjab University

**Lahore Campus**

<b>S.No</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>
1.	Dr. Talat Afza	Dean	PhD Wayne State University, USA
2.	Dr. Salman Ahmad	Professor, Head	PhD Islamic International University
3.	Dr.Hina Abbasi	Advisor	PhD Moscow State University, Russia
4.	Muhammad Shabbir Jamal	Advisor	MSc University of Oxford, LLB (Punjab University)
5.	Dr. Abdul Haque	Assistant Professor	PhD (Huazhong University of Science & Technology) Wuhan China
6.	Mohsin-ul-Mulk	Assistant Professor	MBA University of the Punjab
7.	Abdul Farooq	Assistant Professor	MPhil Quaid-e-Azam University
8.	Samar Kamal Fazli	Assistant Professor	MPhil Bahauddin Zakariya University
9.	Kamran Hashmi	Assistant Professor	MBA USA
10.	Tahir Aziz Khan	Assistant Professor	M.A University of the Punjab, MSc DeMont University, UK
11.	Ahsan Masood	Assistant Professor	MBA (IBA) University of the Punjab
12.	Rashid W.Qureshi	Assistant Professor	ACMA, APA (Institute of Cost and Management Accountants)
13.	Fahad Hasan	Assistant Professor	MPA University of the Punjab
14.	Nayyar Butt	Assistant Professor	MBA Quaid-e-Azam University
15.	Syed Khurram Ali Jafri	Assistant Professor	MS (BTH) Sweden
16.	Muhammad Zeb	Assistant Professor	M.Com University of Peshawar, PhD (in progress) University of the Punjab
17.	Zia Hassan	Assistant Professor	MSc Quaid-e-Azam University, Islamabad
18.	Ahmad Qammar	Assistant Professor	MBA, M.Phil (University of the Punjab)

**Attock Campus**

<b>S. No</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>
1.	Dr. Naseer Ahmed	Advisor/HOD	PhD University of Peshawar
2.	Shaukat Amer	Assistant Professor	MBA Gomal University

**Sahiwal Campus**

<b>S.No</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>
1.	Amir Rasheed	Assistant Prof/Incharge	MBA

# Department of Management Sciences



Islamabad



Abbottabad



Wah



Lahore



Attock



Sahiwal

## 2. Department of Development Studies

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

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

offers two-year (four semester based) Masters in Development Studies since Fall-2004. The degree is a well-recognized qualification for gaining jobs, building established careers, or developing research expertise in related fields.

### Academic Programmes offered

Following Programmes will be offered during the Fall 2009 and Spring 2010 semesters:

#### 1. Master of Development Studies (MDS)

The aim of the two-year (four semester based) Masters in Development Studies is a professional development course of junior & mid-level professionals, managers, practitioners, consultants, teachers and students. As an interdisciplinary field, Development Studies has a broad scope and encompasses differing perspectives and dimensions as a program of study. The focus of the present Masters Programme is on development courses that mostly bear on the emerging and contemporary current trends (knowledge, skills & practices) related to socio-economic development and interrelated spheres.

### Quick Programmes Facts

Programmes	MDS
Eligibility	Bachelor Degree (14-Year) or equivalent, with minimum 50% marks, from an accredited institution.
Session	Fall semester only.
Semesters	4
Number of Years	Two Years
Credit Hours	69
Campus Offering	Abbottabad Campus

### **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**

For the employed professionals who take up the Masters Program, it provides an opportunity to enhance their professional skills and be in a position to take up higher positions in their organizations. For others, including fresh students, the knowledge and skills gained in the Masters in Development Studies Programme can lead qualified candidates/students to professional careers encompassing a wide range of opportunities and career prospects.

### **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 of the Department of Development Studies  
Abbottabad**

S. No	Name	Designation	Qualification
1.	Dr. Shehla Amjad	Professor	PhD
2.	Abu Turab	Incharge/Assistant Prof (study leave)	MSc (Mathematics) MSc (Forestry) University of Peshawar
3.	Nadia Baig Uzbak	Assistant Prof	M.Phil University of Peshawar
4.	Ehsan Inamullah	Assistant Prof	MS
5.	Dr. Bahadur Nawab	Assistant Prof	PhD Norwegian University of Life Sciences (UMB)
6.	Dr. Mujib ur Rehman	Assistant Prof	PhD National University of Ireland, Cork, Republic



Abbottabad



# Faculty of Science



## **Faculty of Sciences**

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 Mathematics, Department of Physics, Department of Bio-Sciences, Department of Environmental Sciences, Department of Meteorology and Department of Chemistry and Department of Biomedical Material Sciences.

### **1. 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

### **Quick Programme Facts**

<b>Programs</b>	<b>BS(Maths)</b>
Eligibility	Intermediate or equivalent, with Mathematics and minimum 60% aggregate marks with 70% marks in Mathematics, from an accredited institution.
Session	Fall semester only.
Semesters	8
Number of Years	Four Years
Credit Hours	133
Campus Offering	Islamabad Campus

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.

### **Academic Programs Offered**

Following Programs will be offered during the Fall 2009 and Spring 2010 semesters:

#### **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.

## 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, 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 Publications	No. of
• 2005-06	84
• 2006-07	128

## Visits of Foreign Professors

- **Prof. Dr. P. D. Ariel**  
Department of Mathematical Sciences  
Trinity Western University, Canada
- **Prof. Dr. A. M. Siddiqui**  
Penn State University, York, USA
- **Prof. Dr. Lun Shin Yao**  
Mechanical & Aerospace Engineering  
Arizona State University, U.S.A.
- **Prof. Dr. A.H Kara**  
Wits University, South Africa

## International Faculty Associated with the department

- **Prof. Dr. P. D. Arial**  
Trinity Western University, Canada
- **Prof. Dr. A. M. Siddiqui**  
Penn State University, York, USA
- **Prof. Dr. M. Anwar Hossain**  
Dhaka University, Bangla Desh
- **Prof. Dr. Lun Shin Yao**  
Arizona State University, U.S.A.
- **Prof. Dr. A.H Kara**  
Wits University, South Africa

## International Conferences

Arranging international conferences on yearly basis is a regular feature of the Department.

- 4th International Conference on Mathematical Models and Methods in Fluid Mechanics (2008).

## Research Collaboration with Foreign Professors

Joint research collaboration exists with the following scientists across the world:

1. Professor J. G. Harris  
University of Illinois, USA.

2. Dr. A. M. Siddiqui  
The Pennsylvania State University, USA.
3. Professor K. Hutter  
Darmstadt University, Germany
4. Professor F. M. Mahomed  
Witwatersrand University, South Africa
5. Prof. A. H. Kara  
Witwatersrand University, South Africa
6. Prof. P. D. Ariel  
University of Calgary, Canada.
7. Prof. C. M. Khalid  
Northwest University, South Africa
8. Prof. Fetecau Constantin  
Technical University, Iasi, Romania
9. Prof. W. C. Tan  
Peking University, China
10. Dr. S. Abelman  
Witwatersrand University, South Africa
11. Prof. D. Vieru  
Technical University, Iasi, Romania
12. Prof. Md Anwar Hossain  
Dhaka University, Bangladesh
13. Dr. Raheel Mohyuddin  
Islamic International University, Malaysia
14. Prof. M. Oberlack  
Darmstadt University, Germany
15. Prof. Ioan Pop  
Cluj University, Cluj, Romania
16. Dr. Z. Zhang  
Peking University, China
17. Dr. B. Ahmad  
Jeddah University, Saudi Arabia
18. Prof. F. D. Zaman  
KFUPM, Saudi Arabia
19. Dr. G. H. Zahid  
Hartford University, USA
20. Dr. Asif Sadiq  
Eng. University, Malaysia
21. Prof. K. Vajravelu  
Florida State University, USA
22. Dr. D. Brian  
Glasgow University, UK
23. Prof. Dr. Zhou Chaoying  
Harbin Institute of Information Technology,  
China
24. Ms. Xiao Juan Ran  
Harbin Institute of Information Technology,  
China
25. Prof. K. K. Tan  
Dalhousie University Halifax, NS, Canada
26. Dr. Shaher Momani  
Malah University, Al-Karah, Jordan
27. Prof. Dr. Maslina Darus  
University of Kabangsaan, Malaysia
28. Prof. Dr. Nak Eun Cho  
Pukyong National University, Korea
29. Prof. Dr. Eisa Al-Said  
King Saud University, Saudi Arabia
30. Dr. Eman Hamad al-Shemas  
College of Basic Education, Kuwait
31. Prof. Dr. Themistocles M. Rassias  
University of Alhens, Greece
32. Prof. Dr. Shigeyoshi Owa  
Kuiki University, Osaka, Japan
33. Prof. Dr. Mugur Acu  
University "Lucian Blaga of Sibiu, Romania
34. Prof. Dr. Jamnusz Sokol  
Rzeszow University of Technology, Poland
35. Prof. Dr. Om. P. Anuja  
Kent State University, Binston, USA
36. Prof. Graham Rogerson  
Salford University, Salford, UK
37. Prof. P. Chadwick  
University of East Anglia Nerwick, UK
38. Prof. Tao Tang  
Baptist University, Hong Kong
39. Prof. Hermann Brunner  
Memorial University of Newfoundland, Canada
40. Prof. Yuan Li  
Institute of Computational Mathematics, Beijing

China

41. Prof. Gerald Warnecke

Otto-Von-Guericke University, Magdeburg,  
Germany

42. Prof. Andreas Seidel-Morgenstern

max-Planck Institute, Magdeburg, Germany

43. Dr. Wolfgang Dreyer

Weierstrass Institute for Applied Mathematics  
and Stochastics (WIAS) Berlin, Germany

### **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 of Mathematics Department  
Islamabad Campus**

S.No	Name	Designation	Qualification
1.	Dr. Q.K.Ghori	Advisor	PhD University of British Columbia, Canada
2.	.Dr. Rashid Ahmad	Advisor	PhD Queens University, Canada
3.	Dr.Noor Muhammad Larik	Advisor	PhD University of Southampton, UK
4.	Dr. Saleem Asghar	Professor	PhD Quaid-e-Azam University, Islamabad
5.	Dr. Nazir Ahmad Mir	Professor/Head	PhD University Hamburg, Germany
6.	Dr. Aslam Noor	Professor	PhD Brunel University, UK
7.	Dr. Khalida Inayat Noor	Professor	PhD University of Wales, UK
8.	Dr. Anwar Hossain	Professor	PhD Dhaka University, Bangladesh
9.	Dr. Aftab Khan	Professor	PhD
10.	Dr. Akhtar Hussain	Associate Prof	PhD (Quaid-e-Azam University), Islamabad
11.	Dr. Moiz udin Khan	Associate Prof	PhD (Bahaudding Zakaria University, Multan
12.	Dr.Shams ul Qamar	Associate Prof	PhD
13.	Dr.Mrs Farkhanda Ikhlaq	Assistant Prof	PhD (Kagoshina University) Japan
14.	Dr. Saeed Islam	Assistant Prof	PhD (Harbin Institute of Technology) China
15.	Dr. Ishtiaq Ali	Assistant Prof	PhD
16.	Dr. Abdullah Shah	Assistant Prof	PhD
17.	Dr. Mushtaq Ahmed	Assistant Prof	PhD
18.	Dr. Masood Anwar	Assistant Prof	PhD
19.	Dr. Mahmood ul Hassan	Assistant Prof	PhD
20.	Manshoor Ahmed	Assistant Prof	MS University of the Punjab, Lahore

**Abbottabad Campus**

S.No	Name	Designation	Qualification
1.	Dr. Tahira Haroon	Professor	Post Doctorate Institute of Non-Newton Fluid Mechanics & Centre
2.	Dr. Dost Muhammad Khan	Advisor	PhD The University of Michigan
3.	Adam Khan	Advisor	Master of Science Colorado State University, USA
4.	Hasina Khan	Assistant Prof	Master of Science CIIT, Abbottabad
5.	Naila Kulsoom	Assistant Prof	Master of Science CIIT, Abbottabad
6.	Syed Zulfiqar Ali Zaidi	Assistant Prof	Master of Science University of Peshawar
7.	Ali Ahmad Farooq	Assistant Prof	MS Quaid-e-Azam University Islamabad
8.	Dr. Madad Khan	Assistant Prof	PhD Quaid-i-Azam University, Islamabad
9.	Dr. Muhammad Arshad	Assistant Prof	PhD ASSMS, GC University Lahore

**Wah Campus**

S.No	Name	Designation	Qualification
1	Abdul Salam Quddus	Advisor Academics	MS (Advance Math) Actuarial Science Illions University USA,
2	Shabieh Farwa	Assistant Prof	M.Phil , Quaid-i-Azam University

**Lahore Campus**

S.No	Name	Designation	Qualification
1.	Dr. Ghulam Qanber Abbasi	Prof/ Chairman	PhD Moscow Universtiyy, USSR
2.	Dr. Abdul Jabbar	Associate Prof	PhD Birmingham University, UK
3.	Dr. Shahadat Ali Taj	Assistant Prof	PhD UK
4.	Dr. Malik Muhammad Arif Rafiq	Assistant Prof	PhD UK
5.	Dr. Muhammad Qaiser Shahbaz	Assistant Prof	PhD NCBA &E
6.	Dr. Saman Shahbaz	Assistant Prof	PhD NCBA &E
7.	Dr. Imran Siddique	Assistant Prof	PhD ASSMS
8.	Dr. Imran Anwar	Assistant Prof	PhD ASSMS
9.	Dr. Sarfraz Ahmad	Assistant Prof	PhD ASSMS
10.	Dr. Hani Shakir	Assistant Prof	PhD ASSMS
11.	Dr. Imran Ahmad	Assistant Prof	PhD ASSMS
12.	Dr. Kashif Ali	Assistant Prof	PhD ASSMS
13.	Dr. Muhammad Hussain	Assistant Prof	PhD ASSMS
14.	Muhammad Mohsin	Assistant Prof	MPhil University of Lahore
15.	Irfan Yousuf	Assistant Prof	MPhil University of the Punjab
16.	Majid Hasan Khattak	Assistant Prof	MS University of New South Wales
17.	Syed Muhammad Irfan	Assistant Prof	MS University of the Punjab
18.	Muhammad Yaseen	Assistant Prof	MS LUMS
19.	Tajammul Hussain	Assistant Prof	MPhil University of the Punjab
20.	Muhammad Rafullah	Assistant Prof	MSc

## Department of Mathematics



Islamabad



Abbottabad



Wah



Lahore

## 2. 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 programme 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 programmes 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 programmes provide the needed foundation for careers in industry as well as R & D organizations and the academia.

### Academic Programs

The following BS programs will be offered during the Fall 2009 and Spring 2010 semesters.

#### 1. Bachelor of Science in Electronics (BS Elec)

This is a four-year degree programme 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 programme 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.



## Quick Programme Facts

Program	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
Session	Fall and Spring	Fall and Spring
Semesters	8	8
Number of Years	4	4
Credit Hours	140	134
Campus Offering Programs	Islamabad	Islamabad and Lahore

### Relevance of Programmes

The Department of Physics offers competitive programmes 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 programme 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.

### 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 for a period of two years.

### **The objectives of the Centre are:**

- 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 programme in Quantum Physics

Hence the main aim includes placing the Centre and Pakistan on the world map of physics research in the area of quantum physics. In this endeavour, the CIIT has been able to enlist the support of Prof. M. Suhail Zubairy, who is presently a Professor of Physics and Associate Director of the Centre for Quantum Studies at Texas A & M University, USA. He has invited several foreign visiting scientists and some of his erstwhile students. Prof.Zubairy has already initiated

several research projects at the Centre on Quantum Optics and Quantum Informatics: quantum entanglement, teleportation, cryptography, error correction, quantum noise etc. Several foreign visitors have joined in this research work and have successfully collaborated with local faculty of the Centre during July 2006 to January 2007.

### **Faculty Members of CQP**

- Dr. Manzoor Idram, Associate Professor/Associate Director, PhD (Physics) Quaid-e-Azam University, Islamabad
- Dr. Sajid Qamar, Associate Professor, PhD (Physics) Quaid-e-Azam University, Islamabad
- Dr. Ashfaq Hussain Khosa, Assistant Professor, PhD (Physics) Quaid-e-Azam University, Islamabad
- Dr. Fazal Ghafoor, Assistant Professor, PhD (Physics) Quaid-e-Azam University, Islamabad
- Zia-ud-Din, Research Associate, MSc (Physics) Quaid-e-Azam University, Islamabad
- Rabia Tahir, Research Fellow, MSc (Physics)



**Senior Faculty Members of the Department of Physics  
Islamabad Campus**

S.No	Name	Designation	Qualification
1.	Dr. Arshad Saleem Bhatti	Prof/Chairman	PhD Cambridge University, UK
2.	Dr. Ehsanullah Khan (T.I)	Professor	PhD (Phillips University) Marburg, Germany
3.	Dr. Mais Suleynanov	Professor	PhD Joint Institute for Nuclear Researches, Dubna, Moscow region
4.	Dr. Muhammad Ayub Mir	Advisor	PhD
5.	Dr. Abdul Majeed	Advisor	PhD University of Windsor, Ontario, Canada
6.	Dr. Kamal-ud-Din Ahmed,	Advisor	PhD London University, UK
7.	Dr. Muhammad Aslam Khan	Advisor	PhD
8.	Dr. Ahmer Naweed	Associate Prof	PhD
9.	Dr. Yashar Huseynaliyev	Associate Prof	PhD Joint Institute for Nuclear Researches, Dubna Moscow Region, Russia
10.	Dr. Sadia Manzoor	Associate Prof	PhD
11.	Dr. Quamar ul Wahab	Adjunct Associate Prof	Honorary PhD
12.	Dr. Muhammad Anis -ur-Rehman	Associate Prof	PhD
13.	Dr. Mahnaz Qader Haseeb	Associate Prof	PhD Quaid-e-Azam University, Islamabad
14.	Dr. Javed Anwar	Associate Prof	PhD Quaid-e-Azam University, Islamabad
15.	Dr. Ishaq Ahmad	Associate Prof	PhD, Quaid-e-Azam University, Islamabad
16.	Asif Matin	Assistant Prof	MS University of Cincinnati, USA
17.	Asif Iqbal Zia	Assistant Prof	MSc Government College Lahore University
18.	Manzar Abbas	Assistant Prof	MPhil
19.	Malik Muhammad Asif	Assistant Prof	MPhil Quaid-e-Azam University, Islamabad
20.	Khalid Khan	Assistant Prof	BSc
21.	Dr. Zuhair S. Khan	Assistant Prof	PhD
22.	Dr. Waqar Admed Adil Syed	Assistant Prof	PhD, DIC Imperial College London, UK
23.	Dr. Umair Manzoor	Assistant Prof	PhD
24.	Dr. Nazar Abbas Shah	Assistant Prof	PhD
25.	Dr. Muhammad Jamil Aslam	Assistant Prof	PhD
26.	Dr. Fazal Ghafoor	Assistant Prof	PhD Quaid-e-Azam University, Islamabad
27.	Dr. Farida P.Tahir	Assistant Prof	PhD Quaid-e-Azam University, Islamabad
28.	Dr. Asjad Iqbal	Assistant Prof	M.B.B.S

**Lahore Campus**

<b>S. No</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>
1.	Dr. Khadim Hussain	Advisor/Incharge	PhD University of Manchester, UK
2.	Shahzada Junaid Shareef	Assistant Prof	MSc
3.	Nusrat Rafique	Assistant Prof	MPhil Quaid-e-Azam University
4.	Dr. Ijaz Ahmed	Assistant Prof	PhD (ZJU) China
5.	Dr. Bashir Ahmed Tahir	Assistant Prof	PhD
6.	Dr. Ashfaq Ahmad	Assistant Prof	PhD
7.	Dr. Afaq Ahmed	Assistant Prof	PhD
8.	Dr. Abdul Rashid	Assistant Prof	PhD
9.	Dr. Shoaib Munir	Assistant Prof	PhD University of Southampton, UK
10.	Dr. Muhammad Asif	Assistant Prof	PhD

**Wah Campus**

<b>S. No</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>
1.	Dr. Rahim Dad Khan	Associate Prof/Head	PhD (Shanghai University of Science & Technology) China
2.	Badar Suleman	Assistant Prof	MPhil Quaid-e-Azam University
3.	Shahzad Saleem	Assistant Prof	MSc Centre for Advance Studies in Engineering

**Centre of Quantum Physics**

CQP Islamabad

## Department of Physics



Islamabad



Wah



Lahore

### **3. 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 programmes 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 Programmes Offered**

Following Programs will be offered during the Fall 2009 and Spring 2010 semesters:

#### **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)

At present, no other institution, in and around

Islamabad, is offering undergraduate programmes in Biosciences. The CIIT has taken initiative and launched a degree programme in the field of Biosciences. The programme perfectly aligns with the already established graduate study programme offered by Biosciences department.



### Quick Programme Facts

Programs	BS(BI)	BS(BS)
Eligibility	Intermediate with Pre-Medical or equivalent, with minimum 50% marks, from an accredited institution.	Intermediate with Pre-Medical or equivalent, with 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
Campus Offering	Islamabad, Sahiwal	Islamabad

## Relevance of Programmes

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 programmes 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

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 programmes 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 populations

## Faculty

A highly qualified local and foreign trained faculty is available to teach various courses, including 12 Ph.D, 13 M. Phil and 8 M.Sc. degree holders.



## Senior Faculty Members of the Department of Bioscience Islamabad Campus

S.No	Name	Designation	Qualification
1.	Dr. Raheel Qamar	Professor/Dean	PhD University of North Texas, USA
2.	Dr. Shahid Nadeem Chohan	Professor/Chairman	PhD UMIST, Manchester, UK
3.	Dr. Fauzia Yousuf	Professor/HOD	PhD
4.	Dr. Ilham Shahmuradov	Professor	PhD
5.	Dr. Farah Mustafa	Professor	PhD
6.	Dr. Shahzad A. Mufti	Advisor	PhD
7.	Dr. Qamar Javed	Associate Professor	PhD (Biochemistry/Molecular Biology) University of Wales, Swansea, UK
8.	Dr. Rani Faryal	Assistant Professor	PhD Quaid-e-Azam University, Islamabad
9.	Dr. Muhammad Arshad Rafiq	Assistant Professor	PhD Quaid-e-Azam University, Islamabad
10.	Dr. Muhammad Ansar	Assistant Professor	PhD Quaid-e-Azam University, Islamabad
11.	Dr. Mahmood A. Kiyani	Assistant Professor	PhD University of Wales, Swansea, UK
12.	Dr. Asifa Ahmed	Assistant Professor	PhD University of Karachi
13.	Dr. Asif Mir	Assistant Professor	PhD
14.	Dr. Syed Sarfraz Hussain	Assistant Professor	PhD
15.	Dr. Sajid Rashid	Assistant Professor	PhD (Molecular Genetics)
16.	Dr. S. Habib Bokhari	Assistant Professor/Incharge	PhD (Molecular Biology) University of Glasgow, UK

## Sahiwal Campus

S.No	Name	Designation	Qualification
1.	Shazia Manan	Assistant Prof/Incharge	PhD



Islamabad



Sahiwal

#### **4. Department of Environmental Sciences**

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

Established in 2004 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. The research staff has backgrounds in a variety of

#### **Quick Programme Facts**

Programs	BS(ES)
Eligibility	Intermediate with science or equivalent, with minimum 50% marks, from an accredited institution.
Session	Fall semester only.
Semesters	8
Number of Years	Four Years
Credit Hours	135
Campus Offering	Abbottabad

#### **Relevance of Programme**

The Department is initiating linkages with international institutions to develop split degree programmes involving research collaborations. This will also strengthen its BS programme base. The

disciplines including Environmental Studies, Water Resource Management, Waste Management, Energy and Environmental Biodiversity, Biotechnology, Urban Planning, and Environmental Policy and Law.

#### **Academic Programs Offered**

Following Programmes will be offered during the Fall 2009 semester:

##### **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(EtS)**

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.

Department is also devising tailored course according to the needs of an organisation, industry or institution in Pakistan.

Department's student body likewise has diverse cultural and intellectual curiosity contributing to critical thinking and analysis. The research students are addressing a wide spectrum of issues from waste management to climate change, energy transformation, sustainable development, biotechnology, water equity and urban planning. 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 programmes 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 programmes 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 2<sup>nd</sup> 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 programme will be called "Sustainable Water Sanitation Health and Development". A major component if the programme 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 programme.

The other components of the programme include institutional development, staff development and administrative support, travel expenditure, salary expenses and other collaborative cost. The programme 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 programme 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 programme will educate and train professionals in the field of sustainable water and a sanitation system to facilitate improved access to a healthy environment. The programme will foster enterprising and proactive team players committed to achieving the Millennium Goals with respect to water and sanitation.

**Senior Faculty Members of the Department of Environmental Sciences  
Abbottabad Campus**

S.No	Name	Designation	Qualification
1.	Dr. Iftikhar Ahmed Raja	Professor	PhD, University of Stralclyde, Glasgow, UK
2.	Dr. Amir Haider Malik	Professor	PhD, Technical University, Berlin West, Germany
3.	Dr. Muhammad Maroof Shah	Professor	PhD, University of Nebraska-Lincoln, USA
4.	Dr. Ishtiaq Ahmad Khan	Professor	Post Doctorate
5.	Dr. Javaid Jahan	Porfessor	PhD, University of the Punjab
6.	Dr. Muhammad Ahmad Farooqui	Professor	PhD, University of Montana Missoula MT, USA
7.	Dr. Kiramat Khan	Professor	PhD, University of Nebraska Lincoln
8.	Dr. Abdul Mateen	Advisor	PhD, University of Punjab
9.	Zulfiqar Ahmad Bhatti	Assistant Professor	MS , Katholieke University
10.	Dr. Zahid Mahmood	Assistant Professor	PhD, UBC, Vancouver, Canada
11.	Dr. Mustafa Nawaz Shafqat	Assistant Professor	PhD, Kansas State University, USA
12.	Dr. Amjad Hassan	Assistant Professor	PhD, Graduate School of Science & Technology Nigata, Japan
13.	Dr. Raza Ahmad	Assistant Professor	PhD, KAIST, Korea
14.	Dr. Javed Iqbal	Assistant Professor	PhD, Mississippi State University, USA
15.	Dr. Muhammad Amjad Sabir	Assistant Professor	PhD, University of Peshawar
16.	Dr. Tahir Ali Akbar	Assistant Professor	PhD, Belford University, USA
17.	Dr. Abdul Matin	Assistant Professor	PhD, Birbeck College, University of London
18.	Dr. Amir Habib	Assistant Professor	PhD, Vienna University of Technology, Austria

## Department of Environmental Sciences



Abbottabad



## 5. Department of Meteorology

Promotion of education and research in the field of spatial science is essential for the rapid development of any country. The field is so important that nearly 24,000 satellites have been launched into the Earth's orbit for interplanetary probes, communication, broadcasting, atmospheric sciences, meteorological studies, resources development, flood inundation and environmental monitoring and protection and numerous other purposes.

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 programme 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 in the process to initiate various courses at undergraduate level in collaboration with other departments of CIIT.

### Relevance of Program

The role of meteorology can be attributed to breakthroughs in related areas of mathematics, physics, engineering, and technology. At the beginning of the twentieth century, meteorology began to take more rapid strides. The relevance of the meteorological research encompasses the observation, numerical modeling, and prediction of weather systems such as hurricanes, severe storms, and heavy snow events. The other end of strip includes the research in diverse areas as atmospheric dynamics, atmospheric chemistry, atmospheric electricity, climate modeling, climate change, turbulence, planetary atmospheres, precipitation physics & sun-earth interactions. Interdisciplinary research efforts include focus on national initiatives in earth system science, global change, acid rain, the 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, Atomic Energy Commission, Aviation department, Pakistan Army, Pakistan Air Force and Pakistan Navy.

Keeping in view the importance and applications of the field of Meteorology the COMSATS Institute of Information Technology (CIIT) 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 also. 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 as well.

### Learning Enhancing Activities

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

### Academic Programmes to Offer

The Department of Meteorology has started offering various courses at undergraduate level from fall 2008, in collaboration with the Department of Physics, Department of Computer Sciences and Department of Mathematics. These courses include Weather and

Climate, Meteorology, Atmospheric Science, Remote Sensing, Geographic Information System (GIS) Satellite Meteorology, Climate Change and many more from time to time. The main objectives of these courses are to equip students with basic Meteorological factors at Bachelors level.

### Senior Faculty Members of the Department of Meteorology Islamabad Campus

S. No	Name	Designation	Qualification
1.	Dr. Mohsin Jamil Butt	Associate Professor/Chairman	PhD, University of London, UK
2.	Dr. Gul Muhammad	Professor	PhD, UK
3.	Dr. Abdul Ghaffar	Assistant Professor	PhD, University of the Punjab
4.	Dr. Saeed Islam	Assistant Prof (visiting)	PhD
5.	Kalim Ullah	Assistant Professor	MPhil, University of the Punjab



Islamabad

## 6. Department of Chemistry

CIIT Abbottabad has made the grand achievement of establishing the Department of Chemistry during 2006-2007. The department is in the phase of development and will soon start its educational programmes. This marks a new milestone in the history of CIIT and the Abbottabad Campus has the honour of launching this department thus broadening

the spectrum of subjects. The department also plans to offer a four-year Bachelor of Science programme in Chemistry. There is a large number of job opportunities for chemistry graduates nationally and internationally in industrial health, minerals, environment, pharmacy, agriculture sectors, teaching and research institutes.

### Senior Faculty Members of the Department of Chemistry Abbottabad Campus

S. No	Name	Designation	Qualification
1.	Dr. Rehana Rashid	Professor/Chairperson	PhD, Luther University, Halle, Germany
2.	Dr. Robina Farooq	Associate Professor/HOD	PhD, East China University of Science and Technology, Shanghai, China
3.	Dr. Abdur Rehman Khan	Professor	PhD, Birmingham, UK
4.	Dr. Muhammad Riaz	Associate Professor	PhD, HEJ Research Institute of Chemistry, Karachi University
5..	Dr. Umar Farooq	Assistant Professor	PhD, HEJ Research Institute of Chemistry, Karachi University
6.	Dr. Ather Farooq Khan	Assistant Professor	PhD, Vienna University of Technology, Vienna, Austria
7.	Dr. Abida	Assistant Professor	PhD, Quaid-e-Azam University



Abbottabad

## 7. Department of Pharmacy

The role of pharmacist in the health care system is escalating each day due to the introduction of uncounted new drugs, emergence of new resistant microbes and the changes in the health care delivery systems. Pharmacists are the third largest health care professional group in the world. 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. This situation has created a huge demand for more professional pharmacists. Not only this, there is also an international shortage of pharmacists. In view of the present and emerging needs of the pharmacy profession, COMSATS Institute of Information Technology Abbottabad decided to launch the Department of Pharmacy in fall 2008. The major theme behind this idea was to play an active role to cater to the national health care needs through a broad-based higher and professional education of pharmacy. The Department of Pharmacy enrolls students each year in Fall semester. In order to deliver quality pharmaceutical education, the department has arranged excellent facilities and has the services of internationally qualified faculty members.

### Research areas

We are well aware of every break-through in the field of pharmaceutical and biomedical sciences and thus committed to equipping our students with advanced professional competencies required to manage the growing needs of this important profession. Moreover, arranging research facilities is on the top of our priorities. The current faculty members of the department are heavily engaged in various research activities nationally and internationally. They have published and processed a number of quality research papers in the leading journals of

international repute and have presented at conferences all over the world. The department has dedicated research groups working in the following areas.

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

### MOU with Ayub Medical Complex Abbottabad

Ayub Medical Complex Abbottabad is a renowned health facility of area. CIIT Abbottabad has signed a memorandum of understanding (MoU) with Ayub Medical Complex Abbottabad and thus it will provide clinical pharmacy clerkship and other facilities to the Pharm-D students.

### Academic Programs offered

#### • BS (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, each semester runs for sixteen 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

<b>Program</b>	<b>Pharm-D</b>
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 Members of the Department of Pharmacy

<b>S. No</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>
1.	Dr. Izhar Hussain	Professor	PhD University of London, UK
2.	Dr. Qazi Najam us Saqib	Advisor	PhD University of Karachi
3.	Dr. Taous Khan	Assistant Professor	PhD Kyungpook National University, Korea, PhD University of Karachi
4.	Dr. Abdul Jabbar Shah	Assistant Professor	PhD University of Karachi
5.	Dr. Sami Siraj	Assistant Professor	PhD & Biochemical Pharmacology, Pharmaceutical University, China
6.	Dr. Khalida Mushtaq	Assistant Professor	MBBS Nishtar Medical College, Multan



Abbottabad

### **Interdisciplinary Research Centre in Biomedical Materials**

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 Members of Interdisciplinary Research Centre in Biomedical Materials**

S. No	Name	Designation	Qualification
1.	Dr. Ihtesham ur Rehman	Adjunct Professor	PhD, MRSC
2.	Dr. Shahzad A. Mufti	Advisor/Incharge	PhD, USA
3.	Dr. Rafaqat Hussain	Assistant Professor	PhD, University College London, UK
4.	Dr. Anila Asif	Assistant Professor	PhD (USTC, PR China)
5.	Dr. Aqif Anwar Chaudhry	Assistant Professor	PhD, QMUL, London, UK
6.	Muhammad Usman	Project Manager	BEng, MBA UK



# Faculty of Architecture & Design



## Faculty of Architecture and Design

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

### Department of Architecture

The decision to launch the Department of Architecture in Islamabad was taken in 2005. It affords an opportunity to re-examine and 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. Its counter department at Lahore has recently been established in 2007.

The Department aims to deal with questions of tradition and modernity, comfort, environmental sustainability, appropriate architecture, not as separate subjects in an isolated manner. Every

assignment or project in the subject of Architectural Design will incorporate these elements at the simple to complex levels so that these issues become an integral part of student thinking.

Therefore at the end of the program students will not set out to do a "traditional" or "modern" design, but will bring their own unique approach based on their vision to bear upon all designs that they carry out. Thus the students will continuously examine and 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 Offered

Following Programs will be offered during the Fall 2009 and Spring 2010 semesters:

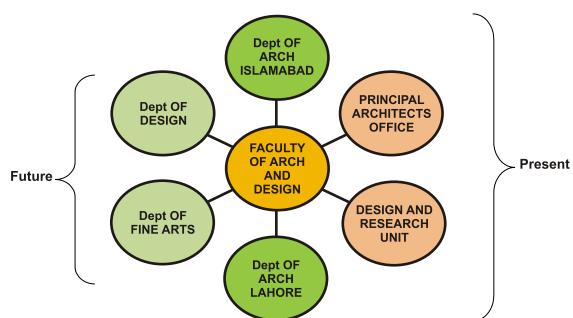
#### 1. Bachelor of Architecture: B Arch

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



### Quick Programme 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
Campus Offering	Islamabad and Lahore Campuses

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.

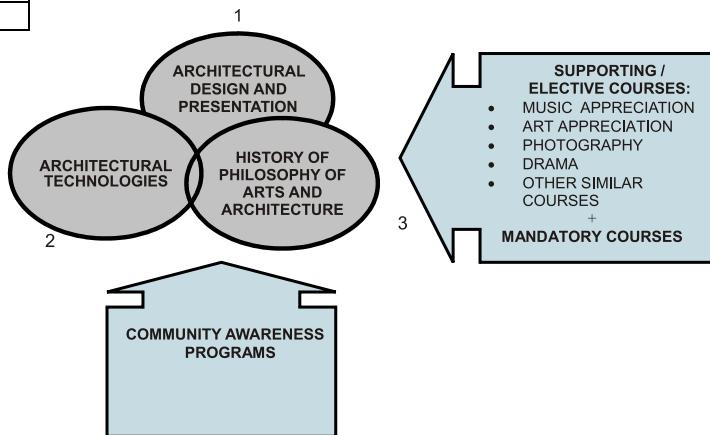
Topics such as Landscape, Interior Design, Housing and Urban Design are integral parts of the Architectural Design course instead of being taught separately. Detailed study of environmental factors, CAD, presentations and model building are also a part of the same.

### 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

- The department has about 135 students In Fall 2008
- 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 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/pr esentation
- 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 (e.g., calligraphy, miniature art, graphic art etc)
- Department has Links with professional bodies/industries: such as IAP institute of Architects Pakistan and practicing architects
- Various other activities

## Facilities at the Department

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

## Future Plans

- Faculty of Architecture and Design envisage two new departments in future: Department of Fine Arts and Department of Design.
- Masters and PhD programs
- Museum and Gallery for Architecture and Arts
- Linkages and exchange programs

## Eligibility Criteria and Admission Procedures

### 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

## Senior Faculty Members of the Department of Architecture

Dr. S.M.Junaid Zaidi, S.I. Dean Faculty of Architecture and Design

**Islamabad Campus**

S.No	Name	Designation	Qualification
1.	M.Pervaiz Vandal	Advisor	B. Arch.E, American University, Beirut, Lebanon
2.	Uzma Noreen Zainul Abedin	H.E.C.Foreign Associate Professor/HOD	B.Arch DCET N.E.D University,Karachi, M.A. Urban Design, MBA, Oxford Brooks University, UK
3.	M.Afzal Ebrahim	H.E.C. Foreign Professor	M.Arch University of Arizona, U.S.
4.	Zain-ul-Abedin	Associate Professor	B.Arch UET, Lahore, M.A Urban Design. MBA Oxford Brooks University, UK
5.	Arif Masood	Associate Professor/Principal Architect	B.Arch N.E.D. University, Karachi
6.	Samra M.Khan	Associate Professor	B.Arch NCA, Lahore
7.	Dr. Anita Kapadia	Assistant Professor	B.Arch N.E.D. University, Karachi, M.Phil Arch, PhD Welch School of Architecture, Cardiff University, UK
8.	Aisha Imdad	Assistant Professor	BFA N.C.A. M.A. Visual Art, N.C.A
9.	Kifayat Hussain	Assistant Professor	B.Arch, UET Lahore
10.	Farrah Adnan	Assistant Professor	BFA, N.C.A. Lahore

**Lahore Campus**

S.No	Name	Designation	Qualification
1.	Prof. Dr. Rafiq A. Malik	Professor/Chairman/HOD	B.Arch UET Lahore, M.Arch Sheffield, UK, PhD Sheffield, UK
2.	Prof Hasan Shahnawaz Zaidi (Tamgha-e-Imtiaz)	Advisor	MFA Graphic Design, Punjab University, Lahore
3.	Syed Ehtesham Hussain	Assistant Professor	B.Arch UET Lahore

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

Experts:

- Amin Tariq, M.Sc UET
- Khalid Bashir, B.E
- Kabir Malik, UET Lahore
- Ahmed Jamal Tamimi



Islamabad



Lahore



# C A M P U S E S



**Islamabad**      **1998**



**Abbottabad**      **2001**



**Wah**      **2001**



**Lahore**      **2002**



**Attock**      **2004**



**Sahiwal**      **2006**

## 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 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 30 acres at Sector H-8/1, with the main Academic Block of 55,000 sq feet and Administration Block of 10,000 Sq feet. The Permanent Campus is spread over 44 acres in a beautiful location near Chak Shahzad with a block of 80,000 sq feet which has now become operational, where approximately 250,000 sq feet covered area is fast approaching completion. 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 Programmes**

The CIIT Islamabad campus is offering the following

programs to the respective students for admission in Fall 2009 and Spring 2010.

1.	Computer Sciences	BS (CS)
2.	Electrical (Telecommunication) Engineering	BS (TE)
3.	Computer Engineering	BS (CE)
4.	Business Administration	BS (BA)
5.	Mathematics	BS (Math)
6.	Electronics	BS (Elec)
7.	Bioinformatics	BS (BI)
8.	Economics	BS (EC)
9.	Biosciences	BS (BS)
10.	Physics	BS (Phy)
11.	Bachelor of Architecture	B Arch
12.	Master of Business Administration	MBA (2 -Yr)
13.	Master of Business Administration (One Year) (who have completed BBA (4yrs)	MBA (1-Yr)
14.	Master of Project Management	MPM ( 1-Yr)
15.	Masters in Energy Management	MEM (1-Yr)

**Graduate Studies and Research Programmes**

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

**Facilities (Physical Resources)**

The CIIT Islamabad Campus has over **20 lecture rooms** which can house about 50-60 students and a **seminar room** that can house about 100 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 one large **electronics lab** equipped with the latest testing and measuring instruments. This lab provides ideal setting for hands-on experiments. The Electronics Lab offers 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**. Moreover, the laboratories are up to date with the advanced software and database for analyzing the scenarios spatially and temporally. 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 Resources**

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 library subscribes to a good number of periodicals and journals which have educational value for students. In addition, it

also offers its users a rich learning environment complemented with electronic information access and services. The library has a circulation, reserve and reference section. Internet facilities in the library connect users to libraries around the world for reference, assistance and consultation. The library is fully automated and equipped with sophisticated **audiovisual systems**. 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.

The library stock consists of about 32,000 latest books on a variety of subject disciplines such as Electrical Engineering, Mathematics, Physics, Biosciences, Computer Science, Business & Management, Design & Architect, Meteorology, English Language and Literature. When the library will move to CIIT permanent campus at Chak Shahzad, Islamabad, target of books for library will be about 50,000 books for the use of teaching staff and students. The library supports the academic programmes of CIIT through collections, technology and services, which enable students and faculty to access recorded knowledge and information resources. The library is also subscribing to the following on-line services:

**Digital Library:** The Digital Library subscribes to 32,000 on-line journals (through HEC) giving access to abstracts, TOCs, full text and Document Delivery Services. Online journals are available through nine world renowned publishers having different databases on sciences, technology, social science and humanities.

**E-Library:** The Higher Education Commission (HEC) has provided **40,000 online books** access to CIIT in addition to **32,000 journals** that have been made

available through the Digital Library Programme.

### 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 programme 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 5 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 200 people in a time, 150 students are availing this facility. There are two separate sections, one for the students and the other for officials. At our H-8 Johar campus six 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. 100 persons can pray at a time inside the mosque. Besides this, 70 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. To facilitate our female students, the campus has provided a spacious and comfortable **common room** for girls at the H-8 campus. In Ramazan, owing to a lack of space, special arrangements are made on the lush green lawn for girls who can say their prayers. A **medical specialist** is 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, 4 machines are working and 8000 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.

### Co-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** provide 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.

### **Business Development Cell**

The Business Development Center is dedicated to fuel business activities and engage in developing high impact business consultancy plans and turn-key projects for small and medium business enterprises. The center acts as a key competitive resource unit with strategies beneficial for CIIT on long-term basis. Providing industry and academia a common platform to interact, the students benefit from the centers activities like event management, small business consultancy and human resource development (training) plans.

### **Launch of South Asia Chapter of AGBA:**

The management sciences department has launched a regional chapter of the academy for global business advancement (AGBA). It is worthwhile to know that the world Academy for Global Business Advancement is a worldwide network of professionals committed to facilitate dissemination of scholarly research findings in the field of global business entrepreneurship. The establishment of the regional chapter promises a great deal of research activity in the field of business administration. The South Asian Chapter is a

consortium of public and private universities in the region comprising of eight countries including Pakistan, Afghanistan, Nepal, Bhutan, India, Sri Lanka, Bangladesh, and Maldives. The objectives of AGBA are to foster education and to advance professional knowledge and standards in various areas of global business and global entrepreneurship.

The first ever three days South Asian International Conference titled "Globalization and Change: Concerns, Issues and Impact" was organized at PC Bhurban from November 12-14, 2008. The conference comprised various sessions for discussion and presentation of research articles on important issues. The moot was attended by over 100 local and foreign delegates. Scholars, researchers and academicians from around the world contributed and participated in the conference. In all, 110 papers were presented by local as well as foreign delegates representing 20 countries across five continents.

### **Marketing Fair and Winter Splash2008**

The department of Management Sciences Islamabad arranged 'Marketing Fair 2008' for the students of MBA followed by an entertainment event 'Winter Splash-2008' on December 4, 2008. The aim of this activity was to teach students the practical aspects of marketing. Students arranged different branded and non-branded products on their own which helped them in increasing the knowledge of working by and through people.



### Graduating Students

#### Program wise



Program	Total Graduates
BS(CS)	420
BS(CE)	36
BS(TE)	362
BS(Elec)	74
BS(Maths)	78
BS(BA)	215
BS(BBA)-IT	67
BS(BI)	82
MSE	101
MBA-IT (Exe)	7
MCS	31
MIT	24
MBA	792
MBA-IT	125
<b>Total:</b>	<b>2414</b>



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



### History

The establishment and history of CIIT Abbottabad campus, is as unique as is the success story of the campus in its academic performance and growth in the field of imparting quality education to not only the deprived youth of the remote northern area but also to the knowledge thirsty entire country. Establishment of an IT institution in Abbottabad was a visionary challenge. COMSATS came forward to accept this challenge as an opportunity, which was converted in to a reality. The President of Pakistan did the greatest service to the cause of education by offering 308 kanals of land at Tobe camp for establishing an IT Institute, which was graciously transferred by Pakistan Military and gratefully accepted by CIIT. In a record period of 90 days, the dynamic leadership and untiring efforts managed to convert the dilapidated barracks and over grown jungle in to a vibrant seat of learning and on September 3, 2001, CIIT Abbottabad opened its doors to the knowledge thirsty youth of Hazara and northern areas of Pakistan. Three undergraduate programs of Information Technology, Computer Science and Electrical Engineering were initiated with an initial intake of 121 students.



The tranquil atmosphere of the area and the dedication of the faculty and staff of the campus was the engine which gave impetus to the phenomenal growth in the academic offerings to the students. In just a matter of seven years, the Campus is offering 12 undergraduate and 06 graduate programs under eight departments. The student's strength has increased from 121 to approximately 4000 in 2008, which is a 30 fold increase, a commendable performance and growth by any standard. The faculty comprises of 315 highly qualified and dedicated teachers including 49 PhD Professors.

To meet the challenges of the National commitment to education, CIIT Abbottabad plans, in the coming years, to launch 17 new departments with a focus on science led engineering, social, medical and agriculture sciences. Future of CIIT Abbottabad campus is as challenging and exciting as the offerings of a wide array of contemporary disciplines offered to the coming generation of leaders and scientists. We do not distribute degrees; we breed a generation of leaders and live true to our Motto "**We Aim to Inspire**".

### Academic Programmes

The following programmes are on offer for admission at Abbottabad campus during Fall 2009 and Spring 2010 semesters:

<b>Bachelor of Science in:</b>	
▪ Computer Science:	BS (CS)
▪ Telecommunication & Networking:	BS (TN)
▪ Computer Engineering:	BS (CE)
▪ Electronics Engineering:	BS (EE)
▪ Electrical (Power) Engineering	BS (EPE)
▪ Business Administration	BS (BA)
▪ Environmental Sciences	BS (ES)
▪ Economics	BS (EC)
▪ Earth Sciences	BS (ERS)
▪ Doctor of Pharmacy	Pharm-D
▪ Multimedia & Graphics Designing	BS (MG)
<b>Master in:</b>	
▪ Business Administration (two-yr)	MBA (2-Yr)
▪ Business Administration (one-year)	MBA (1-Yr)
▪ Development Studies	MDS

### Graduate Studies and Research Programmes

The Campus also offers admission 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 (Physical Resources)

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 LiSCENT (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. 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 LiSCENT 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. **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.

#### **Library:**

The greatest treasure and asset of a nation is its human capital. The availability of trained minds can

respectively make or mar the destiny of a nation. 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 5,037 Sq ft, contains over 21,500 books and is growing rapidly. It subscribes to more than twenty five research journals and magazines. More than 23,000 Journals /Articles are accessible through HEC Digital Library Program from the world renowned publishers. 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 Abbottabad library provides a wide range of up to date information using the latest reference and information techniques, as well as books and periodicals in relevant subject and interest areas.

### More Resources

CIIT Abbottabad provides **transport services** in the form of pick and drop to facilitate the students and employees. One bus, four mini buses (Coaches) and one van have been arranged to provide this service between campus and intercity on subsidized rates. The **cafeteria** remains open for students and faculty the whole day, seven days a week. To ensure quality and hygienic food, a student mess committee is formed which monitors menu selection and ensures quality of service. Central **mosque** is located inside the campus. Prayers are held at campus mosque regularly. The sound of Azan adds a welcome serenity to campus atmosphere. **Common room** 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. To facilitate faculty and students, **photocopy facility** is also available in the campus.

**CITC** is a well-sized technology concern having a large number of skilled professionals. CITC has a successful history of projects and a long list of satisfied clients. CITC exists as an industrial unit on the campus. The objective of this centre is to provide IT service to the CIIT campuses and to the corporate world. CITC promotes, develops, delivers, and facilitates the use of information technology services. It offers a wide range of services, which include software application, web development, data warehousing, network services, network support and design, internet provision, corporate training, multimedia solutions, and testing services.

**Computing and Network Service** are handling campus wide network infrastructure and providing hardware repair, trouble shooting services, CNG has well trained motivated staff for all sorts of computer support services. There are six fully air conditioned **computer labs**, and a hardware lab. One computer lab is fitted with fifty 30 GB Pentium III computers, and the other two labs has ninety-two 40 GB Pentium IV computers connected through fast 100 MBPS Ethernet network. The **hardware lab** is fully equipped for demonstration, training and hardware maintenance purposes. These labs remain open for students from 8:30 AM to 12:00 midnight. In case of special requirement these labs remain open 24 hours. CITC is proud to present state of the art **Interactive Language Lab**. With the development of digitization and networks, the technology of language Laboratory (LL) is also progressing at a high speed. The language laboratory provides an interactive learning environment, which allows instructors greater flexibility in material selection, delivery and class format. CNS is handling campus wide **wireless LAN**. This facility can be availed anywhere in classrooms, offices, meeting rooms and in the open area as well. COMSOFT is a subsidiary **software house** of CIIT Abbottabad, established in 2001, working as an industrial unit within the campus of CIIT Abbottabad.

The objective is to provide IT services to the CIIT Campuses as well as to the corporate world. Dedicated team of Software House maintains a high level of professionalism that enabled Software House over the past 7 years to provide state-of-the-art solutions to well renowned organizations within Pakistan as well as abroad. This ISP is giving service to 900 node LAN and 60 dialup ports providing a wide range of service. ISP team is constantly working to enhance the service and structure of the network playing a vital role in IT activities in Abbottabad. ISP provides Web, Mail, FTP, Domain registration, Web Hosting, & Video conferencing with number of other network services to its growing clients. By the support of CIIT authorities CIIT Abbottabad got the status of CISCO Local Academy in 2007. COMSATS CISCO Local Academy is delivering a range of services and support needed to grow tomorrow's global workforce. This lab is first complete CISCO lab in NWFP.

### **Research and Development:**

Research & development is a vital part of any technological organization. R&D is actively involved



in high performance computing research with three production clusters respectively dedicated for general purpose HPC, Bio-informatics, SSI, along with Parallel SCILAB running on a cluster of SPARC based workstations. R&D also maintains a state-of-art network lab providing switching and routing test-beds. This section at CITC is a host to network research projects and training for students and corporate mainly in UNIX/Linux domains.

### **More Resources:**

To provide first aid and medical facilities to students and faculty members a health centre has been established, within the campus, under the supervision of a qualified **medical officer**. There are seven buildings to accommodate approximately 600 male students and two buildings for 180 female students. The rooms are spacious and lawns are in front of the buildings. Every block provides an optimum environment to students for pursuing their quest for knowledge. **Hostels** are managed by live-in wardens who look after the safety and security of students. Cultural and traditional norms are strictly followed in the hostels. Hostel for female students are surrounded with barbed wire for security. The aim of **Career Development Centre** is to support students in optimizing the value of their academic experience and in achieving successful transitions to the workforce and further educational endeavors. This centre provides quality career development programs and employment-related services in order to empower students to actively engage in the integration and implementation of their academic and employment choices.

### **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. Formation of **adventure club** for the students who love out-door activities like rock climbing, camping, trekking, hiking and mountaineering and its membership is increasing day by day. **Clubs and societies** are very important for creative activities on campus. A large number of clubs and societies are active at the Abbottabad campus. These societies are involved in literary, dramatic, scientific, software and photographic activities. The societies regularly organize poetry reading competitions, debates, quiz shows, concerts, naat and qirat competition, photographic competition 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. Presently the following **clubs and societies** are actively working: Software

development society, IT society, Dramatic society, named as "Funkada", COMSATS literary society, Bazm-e-Adab, Art and Painting Society, Qirat and Naat Society, Eco-Adventure club, Cricket club, Football club, Athletics club, Badminton club, Table tennis club, Girls sports club, Volley ball club, Green thumb society, Entrepreneurial society. The **fitness centre** for male students is fully equipped with the latest machines. Students pay a nominal fee to use this facility. Similarly, the fitness centre for females is equipped with exercise machines, indoor climbing boards and weight training equipment. The apex of all the above mentioned activities is seen in the **student's 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 participate in this weeklong event.



Campuses

#### Graduating Students:

#### Program Wise:

Programs	No of Graduates
BS (CS)	114
BS (CE)	343
BS (IT)	125
BS (EIE)	154
BS (ES)	23
BS (BA)	47
MCS	149
MIT	119
MBA	325
MDS	99
<b>Total</b>	<b>1498</b>

## Wah Campus



### History

The opening of a new campus of COMSATS Institute of Information Technology in the historical and industrial town of Wah, was a joint effort of the CIIT and POF (Pakistan Ordnance Factories) Wah. CIIT started its campus at Wah in a record period of 70 days. The campus was formally inaugurated on September 14, 2001. It is situated at the Mall, Wah Cantt. It is a place where people from all over Pakistan are exhibiting their unique skills. Due to its location, Wah is easily accessible to the students coming from Wah, Taxila, Rawalpindi, Hassanabdal and other surrounding areas. The history of learning at Taxila goes back into ancient times. Once a centre for learning philosophy, arts, religion and culture in great Ghandara Civilization is a centre for seeking knowledge. In ancient times Julian University was the centre of excellence of that age.

Wah Cantt is situated in an area, considered as the hub of industrial activity in the region. It is a place having high potential for the utilization of Information Technology and its incorporation in the industry. POF



itself is a market with very high potential. A world class IT institute in the region has paved the way for knowledge and learning of IT thus proving its worth and adding value to the region and to the country as a whole.

The campus is the first of its kind in Wah Cantonment. It has a modern infrastructure and highly professional teachers. It 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.

The COMSATS Institute of Information Technology at Wah is a growing institute of IT. Housed in a spacious building within the Wah cantonment, the campus provides state-of-the-art facilities for the acquisition of knowledge and skills in the field of IT. A 20-year lease agreement was signed between POF and CIIT, in 2003 for renting two new academic blocks. These blocks, having a combined covered area of approximately 75,000 sq ft, are now fully operational to meet the ever-increasing requirements of an expanding campus. Only 45 minutes drive from Rawalpindi, the campus ideally suits students who wish to seek education in a congenial environment.



STATISTICAL  
METHODS

**Academic Programmes**

The following programs are being offered for

admission at Wah Campus during Fall 2009 and Spring 2010 to the prospective students.

<b>Bachelor of Science in:</b>	
▪ Computer Science:	BS (CS)
▪ Telecommunication & Networking	BS(TN)
▪ Computer Engineering:	BS (CE)
▪ Telecom Engineering	BS (TE)
▪ Business Administration:	BS (BA)
<b>Master of:</b>	
▪ Computer Science (Morning)	MCS (2-Yr)
▪ Computer Science (Evening)	MCS (3-Yr)
▪ Business Administration (two-year)	MBA (2-Yr)
▪ Business Administration (one-year)	MBA (1-Yr)
▪ Business Administration (three-year)	MBE (3-Yr)

**Graduate Studies and Research Studies**

The Campus also offers admission 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.

**Resources (Physical Facilities)**

CIIT Wah has twenty 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 two more modern **computer labs**, which have around 212 state-of-the-technology computers connected through LAN and WAN. Now there are four computer labs in the campus. Furthermore, there are other labs of Electronics (Analog and Digital), Communication Engineering laboratory, Microprocessor, Control Engineering laboratory, Physics and Computer

laboratories. 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. Network is of primary importance in an IT based professional education environment. The efficient infrastructure of CIIT is based on its strong and capable **Network System**. Wah has a robust and stable network of computers. The Labs of Wah are fully equipped with the latest multimedia systems. The students extensively use the labs for software development and research activities.

**Library:**

The library at Wah campus provides a wide range of up-to-date information using the latest reference and information as well as books and periodicals in different subject areas. There are over 12,000 hard copies of books and 4500 non-book materials, (CDs, Audio/Videos etc). The institute is in close contact

with the leading book importers to ensure a proper and timely up gradation in library resources. The library subscribes annually a good number of periodicals/journals to update its readers. In addition, over 11,000 world class journals are also available online as part of the grand digital library.

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

Swift and efficient communication services are needed to connect with 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. The campus 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 accessible to the students and the faculty from home.

### **More Resources**

In any IT Institute latest and updated editions of the subject books are a necessity. A formal **bookshop** is therefore available on the premises of the Campus where updated books are available at reasonable prices. The campus has two **cafeterias** to meet the food demands of the students and the staff. Proper **Mosque** has not been constructed by POF as yet, however prayer facilities are made available in an open specified area in both the academic blocks so that the students and the staff can say their prayers. **Common Rooms** for female faculty members and female students are available in the campus where they can relax and also say their prayers. The Campus is running a **Photo Copying Shop** with five heavy duty photo copiers and the students and the staff equally benefit from this service. **Transportation facility** for any university is a must for the benefit of

students and staff so that they can commute between their hostels and home free of tension. For this purpose the campus has a fleet of transport 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 and two Hino buses.

### **Extra Curricular Activities**

CIIT Wah provides an excellent academic atmosphere to its students. The faculty puts in maximum efforts to groom and nurture young scholars placed under their care. For the purpose of developing healthy minds with healthy bodies, many events are organized to involve young minds ensuring full participation in character building activities and personality development. **Urdu Debate Competition** was held at COMSATS Lahore (CIIT Inter Campuses Competition). **SPORTS GALA 2008** was arranged by CIIT Wah. Students from Electrical Engineering, Management Science and Computer Science participated in these seven events; cricket, football, tug-of-war, badminton (singles and doubles), table tennis (singles and doubles) volley ball and gaming competition (computer games). **Adventure Club** has been established at CIIT Wah that arranges variety of outdoor activities. Different clubs have been created under adventure club such as hiking, trekking, photography, shooting, camping and rowing etc. **Hiking Club** of COMSATS Wah arranged a marvelous hiking trip starting from Ayubia till Donga Gali. A group of 40 individuals comprising of students and faculty members went to this adventure. Such activities are carried out to infuse a healthy spirit in the students. **Jashn-e-Bharan** Fun Fair is also a regular activity held at Wah. A warm welcome is given to spring season and is very well celebrated. It adds a lot of color to the campus during the festival. Students of CIIT Wah celebrated **Cultural Mela**. Traditional food, dresses, pottery, music instruments and

jewellery were displayed on the stalls. Students were wearing their cultural dresses. In the end **prize distribution** ceremony was held to encourage the students. **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. CIIT organizes annual **job fairs** and expos. Leading national and international companies and

corporations, both public and private, attend these fairs to meet CIIT students and assess their skills. Through these fairs, our students have been hired for various important projects and entry to mid level positions in different organizations. The Wah Campus actively works for the placement of their students by strengthening the contacts between industry and CIIT, giving them opportunities to work on the latest technical issues and designs in their final year projects, and to properly counsel students to present

### Graduating Students

### Program Wise

Programs	No of Graduates
BS (CS)	115
BS (CE)	173
BS (BA)	46
MSE	13
MBA-IT (Exe)	16
MCS	160
MBA	560
MBA-IT	45
<b>Total</b>	<b>1128</b>



# Lahore Campus



## History

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 Programmes

The following programs will be offered to prospective students for admission at Lahore campus during fall 2009 and spring 2010 semesters.

<b>Bachelor of Science in</b>	
• Computer Science	BS (CS)
• Telecommunication Engineering	BS(TE)
• Computer Engineering	BS(CE)
• Chemical Engineering	BS(ChE)
• Business administration	BS(BA)
• Physics	BS(Phy)
• Architecture	B.Arch
<b>Masters</b>	
• Computer Sciences	MCS
• Business Administration	MBA(3Yrs)Eve
• Business Administration	MBA (2Yrs)
• Business Administration	MBA (1Yr)

**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 services of network and communications, software development and digital research facilities to students, faculty and staff at CIIT. Lahore has internal connectivity via optical fibre (LAN)/ wireless (WAN) which provides communications with outside world at a reasonable bandwidth rate of 8 Mbps (CIR). Through COMSIS (Online Student Management System) ITC provides detail information of all academic matters to students, parents and faculty. **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. Five 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 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.

**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, Bio chemical& 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 it. Other than books, library includes wide range of informational films, audio cassettes, journals and newspapers. The library staff provides one-on-one assistance regarding search for books, and identifying authors or titles. The library is opened six days a week. A collection of more than 12,000 books along with CDs and videos has been provided for the students. For research purposes, five professional international journals are available for students and faculty. In addition, over 17,000 world class journals are also available online as part of the digital library.

### Internet Resources

CSS - COMSATS **Students Services cell** has been established at CIIT Lahore Campus to provide students with a range of services designed to help and assist them adjust to university life and to achieve potential in terms of their personal, educational, social and professional goals. Highly skilled staff is specialized in providing students with comprehensive solution to their everyday problems including their adjustment to university environment, handling of academic as well as peer pressure etc. CSS achieves these goals through implementation of many programs, both within and outside the campus. CSS arranges many co and extra-curricular activities in

order to bring the best out of students and prepare them to the rigors of competition and fair play. Internet connectivity is being provided to the students with an enhanced **bandwidth** up to 8 Mbps (CIR).

### 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 programmes, 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 programmes 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 programmes, 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 Wise

Program	No of Graduates
BS (CS)	244
BS (CE)	237
BS (IT)	103
BS (TE)	159
BS (BA)	78
MBA-IT (Exe)	21
MCS	152
MBA	811
MBA (IT)	148
<b>Total</b>	<b>1953</b>

## Attock Campus



### History

COMSATS Institute of Information Technology achieved another milestone in establishing its campus in 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 Programmes

The following programs will be offered to prospective students for admission at Attock campus during fall 2009 and spring 2010 semesters.



#### Bachelor of Science in

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

#### Master of

- |                           |                    |
|---------------------------|--------------------|
| • Computer Science        | MCS                |
| • Business Administration | MBA 2 yr (Morning) |
| • Business Administration | MBA 3yr (Evening)  |



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 (Physical Resources)**

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: the campus has seven **lecture rooms** which are fully furnished, well equipped and well maintained. All modern teaching and learning aids are provided. An **electronics lab** equipped with latest test and measuring instrument/equipments has also been established at CIIT Attock.

### **Library**

The library supports the academic programs of CIIT through collections, technology and service, which enables the students and the faculty to access knowledge and information resources. Presently there are 3600 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 sources of information like films, audio cassettes and newspapers etc. The library is airy, well lighted and provides ideal condition for quiet study. Networked PCs has provided access to a wide range of online journals, databases, CDs library catalogues. The library holdings are not only chosen mainly to support teaching and research on the campus but

they also include some general books for leisure reading.

### **Computing Network**

On campus, every student is assigned a computer account and work space allowing access to central computing facilities. The open access computers are connected to the campus network and to the internet. Computing, printing and technical assistance are available seven days a week. The computing service web page also provides useful information to make good use of computing facilities. 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 in providing friendly and expert guidance/assistant to the student so that they 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. The Network Department is also providing corporate level technical consultancy to banks and various government department of District Attock. The 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, CIIT Attock is offering Cisco Certified Network Associates (CCNA) Academy Programme 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. The CISCO Local Academy at CIIT Attock offered first batch of CCNA classes to its students on January 16, 2008.

### **More Resources**

Prayers are held at Attock campus **mosque** regularly. A proper **cafeteria** has been set up where quality eatables are provided to the faculty and students at a reasonable rate 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 male and female students separately. The accommodation is available for first come 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, periodicals and journals are available for reading.

### **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

### **Graduating Students**

#### **Programme Wise**

<b>Program</b>	<b>No of Graduates</b>
BS (CS)	16
MCS	22
MBA	105
<b>Total</b>	<b>143</b>

addition to their class room lectures. Therefore, co-curricular activities and events are regularly arranged at CIIT Attock for the student, because sports and extracurricular activities teach them the precious lessons of sportsmanship and struggle. They learn to coexist with harmony. Following is the brief account of activities held at CIIT Attock during the reporting year. Students participate in many indoor and outdoor games including badminton, table tennis and cricket. Both male and female student actively participate in **sports** activities. **Funfairs** at the campus are organized annually. Students as well as outside vendors set up stalls to display food items, handicrafts, etc, students also set up semester projects. Sports activities and **drama club** events are also an integral part of these funfairs.

Organization of **seminars** is a regular feature of the Attock Campus. Seminar 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.

## Sahiwal Campus



### History

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. Currently CIIT Sahiwal has total enrollment of 330 students. Current lot, studying at CIIT Sahiwal, is a beautiful blend of students from both foreign and national institutions. Land measuring 36 acres has been acquired. Work on basic infrastructure development is progressing well and is supposed to be completed by July 2009. Presently classes for MBA, BS (BA) and BS (TN) are being held in the city campus in a spacious and furbished building acquired on lease.



### Academic Programmes

The following programmes are being offered to the prospective students for admission at Sahiwal

Bachelor of Science in	
• Computer Science	BS (CS)
• Business Administration	BS (BA)
• Bioinformatics	BS (BI)
• Biosciences	BS (BS)
Master of	
• Business Administration	MBA 2yrs

Campus during Fall 2009 and Spring 2010 semesters.

### Facilities (Physical Resources)

In the campus 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 staff's 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. 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**

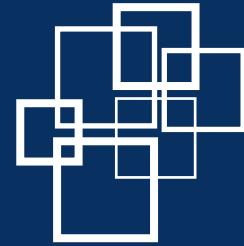
CIIT Sahiwal provides many opportunities to its students for grooming them mentally and physically. These facilities include formation of following **club/societies** which organize wide range of different extra-curricular activities: Adventure club, Sports club, Magazine Committee and the Debating Society. 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. CIIT Sahiwal has established a **Job Development Cell** (JDC) which facilitates the students for internship and jobs in leading organizations in both the public and private sectors of the country. **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 programme is intended to ensure that at CIIT every one 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.

### **Graduating Students**

Being the youngest campus, established in Fall 2007, Sahiwal has yet to produce its first batch of graduating students.





# ADMISSION CRITERIA

## Admissions Criteria

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 programme, above average grades usually entitle one for admission into a programme. 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 programmes on offer. Some programmes 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 programmes of each Faculty at respective campuses.

Determine the campus and Faculty within which your desired programme 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 programme 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 2009 you need to apply in June 2009 when the admissions would be announced in the print media and on the university website. Similarly for admission in Spring 2010 semester, you need to make your application in December'09. 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 on payment of Rs 500 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 fulfils 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. A specimen of a 'Hope Certificate' is provided in the prospectus.
- Submit the admission form and 'Hope Certificate'/affidavits (if applicable) in the admission office of the campus, where admission is being sought.
- Application form must be submitted by the last due date for submission of form. Late entries can not be entertained.

### **Entrance Test 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](http://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:

<b>Degree Programs</b>	<b>Percentage Weightage</b>
------------------------	-----------------------------

**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(Architecture) only is as below:**

- 30% weightage of Entrance Test & Previous Public Examinations.
- 30% weightage of Drawing Test (free hand drawing)
- 40% weightage of Interview



### **Merit List**

A list of provisionally selected candidates is displayed on specified dates on the campus notice boards as well as on the CIIT website [www.ciit.edu.pk](http://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 (pattern is given in the prospectus).

- National Identity Card (or 'B' Form) along with two attested photocopies.
- Two passport size photographs. These must be attested 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 programmes 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 programme 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 IBBC is located in the building of Federal Board of Intermediate & Secondary Education, Sector H-8/4, Islamabad, Tel: 051-9235017.

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

### **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 by linking them with other international students at CIIT.

### **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.

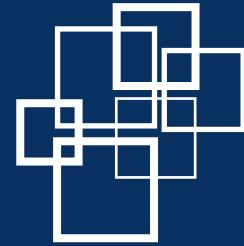
### **Semester Schedule (2009)**

The Semester Schedule may be revised / changed by CIIT. The session for Fall 2009 will be starting from August 24, 2009 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 programmes 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.



# 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 programme 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 2009 will be starting from August 24, 2009 (\*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. Do you need woollies with you or it warm, because you need to organize yourself accordingly. 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 by the examination department. 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 and their peers. 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?**

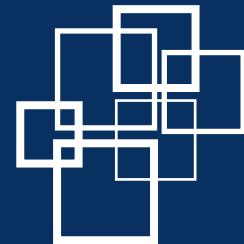
We have teachers who are always there to help students with their studies if they have any problems. Sometimes the student has received their education in another mode of instruction other than English and it becomes difficult for them to comprehend the lecture. With the individualized attention of the

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.





# PARENTS GUIDE

# Our Reputation



## 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 programme 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.

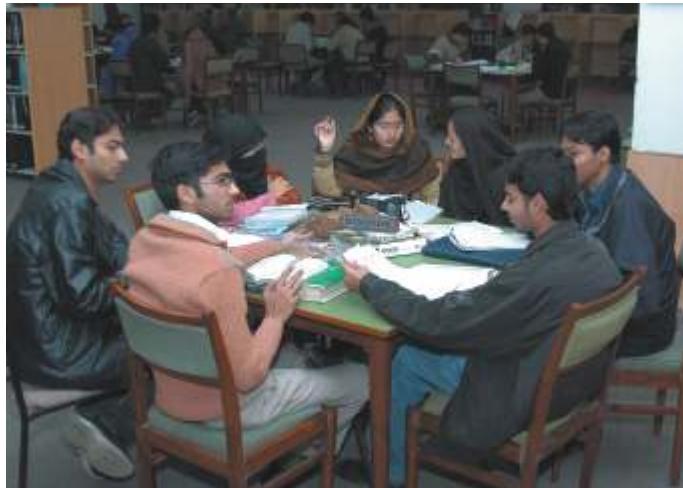
You want your child to go to a university that has it all: a stellar reputation for higher learning, broad learning options, easy access to teachers and classes of manageable size. You want your child to be where he or she can learn to think independently and is encouraged to seek the right questions 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 institutions 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. You get to know lots of people by name and it's easy to make friends.

## 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.

It is your **future**.....let **ambitions** and **interests** guide your learning

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.



Start studying in  
September or  
February

Full time

Combine Learning and  
Knowledge with new  
Skills and Professional  
experience

## SCHOLARSHIPS

All success deserves to be rewarded. Prove your excellence in the field of academic achievement , sporting success and you could win 100%, 75% and 50% tuition fee waiver.

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 2 % contributed by CIIT towards Taleem Fund. This fund is distributed in students on need-cum merit basis in every semester as Financial Assistance to meet their tuition fee

expenses. The student has to apply through his/her department and after giving interview to the Taleem Fund Committee he/she gets a full or partial waiver in the tuition fee, on need-cum-merit basis.

### 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 7,136 in short history of eight years. The details of the graduates along with the names of campuses and disciplines are given below:

### Convocation & Campus-wise number of Graduating Students

Convocation_No	Campus 1	Campus 2	Campus 3	Date
1	Islamabad	Wah	Lahore	14 Aug 2004
2	Abbottabad	-	-	27 Sep 2004
3	Islamabad	Wah	-	04 Oct 2004
4	Lahore	-	-	29 Nov 2004
5	Abbottabad	-	-	01 Oct 2005
6	Islamabad	Wah	-	14 Mar 2006
7	Lahore	-	-	01 Apr 2006
8	Wah	Attock	-	28 Nov 2006
9	Islamabad	-	-	12 Jan 2007
10	Lahore	-	-	13 Apr 2007
11	Abbottabad	-	-	07 Sep 2007
12	Wah	-	-	30 Oct 2007
13	Islamabad	-	-	06 Nov 2007
14	Attock	-	-	22 Nov 2007
15	Lahore	-	-	03 Dec 2007
16	Islamabad	-	-	30 Apr 2008
17	Abbottabad	-	-	11 Oct 2008
18	Islamabad	-	-	23 Oct 2008
19	Wah	Attock	-	Nov 2008
20	Lahore	-	-	Nov 2008
21	Islamabad			8 Apr 2009

**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.

**Note:**

\*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.

- (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.

**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 Certificates**

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.

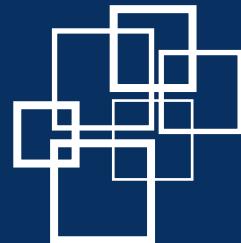
**Discipline**

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 Undergraduate Students



Mohammad Umar  
Meterology  
Islamabad Campus

I have done MSc (Hons) in Space Science and wanted to further enhance my qualifications. The only option with me was to take admission in NUST or CIIT and I preferred CIIT because of the well qualified faculty. Teachers take interest in the welfare of their students here and I found them to be of help always. I enjoy as a student at CIIT and plan to complete my studies here.



Ammad Haider  
B-Arch  
Islamabad Campus

I wanted to pursue a degree in Architecture and for that matter the best option available to me was CIIT. Though the department is in its infancy but moving progressively towards higher levels. With this degree there are professional benefits attached and I hope to avail them once I graduate with flying colours. I found the course quite interesting and the teachers very helpful and cooperative. Our classes are always having vibrant discussions which keep us alert all the time.



Ramisa Shafqat  
B-Architecture  
Islamabad Campus

I chose CIIT as the degree is recognized and I can go for higher education abroad in future and the ranking of CIIT is also good. These are the concerns for students who want to enroll in the university. Teachers here are good and we have formal lectures and interactive discussions with our teachers and the environment is relaxed for art students. And that is the demand of creativity. We are benefiting from a good and qualified stream of faculty members which have the exposure of current trends in the Architecture field.



Iftikhar Ahmed  
BS (Maths)  
Islamabad Campus

I joined CIIT because it suits me for my finances 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. Well known mathematicians are a team of CIIT and I wanted to come over here because of them so that one day I can follow their footsteps.



Aseema Hassan  
BS (CS)  
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 my friends. Teachers try to give us a satisfactory response and I believe that from here I will be able to pursue higher education abroad in Artificial Intelligence from US. Credit goes to the teachers who keep us on toes working and be able to face the challenges of life.



Asim Raza  
BS (CE)  
Wah Campus

Already possessing Diploma of Associate Engineering in Electrical Engineering , I had the basic understanding of different Engineering techniques. I wanted to extend my skills in advancing in academics. After thorough research, I found out that Computer Engineering was offered at CIIT and I immediately opted for it. Mode of instruction is really challenging and it brings the best out of us. Teachers present the lectures through Powerpoint slides and transparencies, labs are conducted effectively building up the concepts from the theoretical topics studied in the classes. Whole semester we are busy with our assignments, quizzes and exams which make us work hard. Our teachers keep encouraging us and they are well versed with their subjects. At CIIT teachers are doing their best to prepare us for our professional life.



Kanwal Fatima  
BS(BA)  
Wah Campus

I have got many reasons to choose this university specifically secure environment for female students and qualified faculty. This is the only reliable and reputable university nearby 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.



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 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. Different co-curricular activities are arranged for students including industrial tours, declamation concepts and quizzes and seminars. After graduating from here, I would like to open up a software house and serve my country. I will work towards boosting IT industry in Pakistan as lots have to be done in the IT sector.



**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.



**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 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.



**Saira Javaid**  
BBA  
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 whenever the need arises. 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 (Economics)  
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 MS in Economics will join the State Bank of Pakistan.



S.Burhan-ud-Din Mahmood  
BE (Electronics)  
Abbottabad Campus

The reason for choosing CIIT is its quality and standard which it keeps maintaining. 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.



Mahrukh Ajmal Paracha  
Pharm D  
Abbottabad Campus

The main reason for choosing CIIT was its approach and a wonderful university within the boundaries of our own city. Being a medical student, I have considered pharmacy as a second option after MBBS. 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. We are taken to different pharmaceutical organizations for practical knowledge and observation. 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 I complete my degree I will become a professional pharmacist and will serve the humanity with my knowledge.



Inum Arshad Mughal  
BS (Physics)  
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.



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.

**Ebtesam Khalid**  
**BBA**  
**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.

**Zohaib Hanif**  
**BS (Computer Science)**  
**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.

**Muhammad Tauseef Zahid**  
**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 through class 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.

**Saba Ahmad Chishti**  
**BS (ChE)**  
**Lahore Campus**



Hisham Akhtar  
BBA (Finance)  
Attock Campus

CIIT is one of 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's 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 has been related to research. Had 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 both verbal and nonverbal cues. 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 programme. And it covers all academic aspects and develops our interpersonal skills. I will pursue a Masters programme from a foreign university after completing my degree.



Ch. Muhammad Waqas  
BS (TN)  
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 Engineering Sciences 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. Eventually I want to pursue higher studies abroad as the engineering specialist.



Arooj Kawish Butt  
MBA (Finance)  
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

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

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 programme, I immediately planned to get benefit by joining it. Teachers keep us on our toes by making us work. My experience after joining the programme 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 programme is a good source of our confidence building. I will like to take up the subject of Project Management till my Doctorate level.



Sara Zahidi  
MEM

Currently, CIIT is the only institution offering a Masters in Energy Management. I chose to be a part of the pioneering batch and found that the course contents are compatible with any leading institution abroad. Due to the broad scope of energy management, its graduates can find employment in various types of energy sector as oil and gas, electricity etc. All the instructors are leading professionals from the industry and they establish a solid baseline for the students from diverse backgrounds. Employees of OGDC, WAPDA, OGRA, AEDB, PPIB have become the part of MEM class. Other than the lecture based teaching method and participatory technique, there is lots of focus on the practical aspect, our projects may be assessed by potential investors. We will be visiting a nearby hydro-electric power plant shortly. We are being groomed into becoming future managers in the energy sector. As I graduate, I hope to find a challenging and lucrative position in the business development side of an energy company.



Irum Jamshaid  
MEM

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.

## Alumni

The sky is the limit. We are striving towards the best records of successful graduate employment in the country. We are extremely proud of the links we share with our graduates and past students, many of whom are spread everywhere. Their education has opened up a world of opportunities. Wherever you live or whatever you chose to do with your future we want to keep in touch with you. Many CIIT graduates go immediately into industry and other professions. Some go for higher studies abroad or while some do temporary work before starting a career.

Student link with the university does not end with graduation. We hope your student days are only the beginning of a lifelong relationship with us. On graduation you become a member of the University Association, the organization for all alumni of the university. Alumni help with many aspects of university work acting as Career Links within the Centre for Career Development enabling current students to discuss possible career paths, serving as an advisory channel and helping potential students by sharing their experiences at CIIT.

You are our finest ambassadors, the very people whose future we have helped to shape. You will find our students well placed and doing quite good in different industries. Some of the places where our students are working are:

- ABN AMRO Bank
- ACCA Pakistan
- American Centre
- American Life Insurance Co
- Asian Development Bank
- Askari Commercial Bank

- Attock Refinery Limited
- Auditor General of Pakistan
- Bank Alfalah Limited
- BrightSpyre
- British Council
- Buxly Paints
- CDA
- Central Board of Revenue
- Chamber of Commerce Rawalpindi
- Citi Bank
- Cocoa Cola
- COMSATS Internet Services
- Cupola Group of Companies
- Crescent Investment Bank
- Export Promotion Bureau
- Faysal Bank
- First Women Bank
- Habib Bank AG Zurich
- Infospan
- LMKR
- McDonalds
- MCOM
- Mobilink
- Midas Advertising
- Standard Chartered Grindlays Bank
- TAQ Logistics
- The World Bank
- UFone
- UNDP
- UNICEF
- Union Bank
- USAid
- WorldCall
- ZTBL
- ZTE Pakistan

## Faculty Members of Distinction

With the state-of-the-art teaching and learning facilities, it's little surprise that our teaching is par excellence. At CIIT you will experience an integrated range of teaching and learning styles from traditional lectures and tutorials to contemporary multimedia and internet systems. Our lecture theaters and teaching rooms are continually modernized and upgraded. We have invested heavily in these facilities so that our faculty does not have any problems in delivering the lectures. Teachers resort to case study approaches for the benefit of students and interactive class discussions are held in between the lectures so that students can have a broader outlook and develop a holistic approach towards every issue.

Our students have the access to class counselors who are there to help with personal as well as academic issues. Personalized attention is given to students to resolve their concerns and be an active player though it may be studies or extra curricular activities by the teachers. Student potential is harnessed by the hard working teachers and they bring in the best in students. They give them every chance to bring out the best innovated ideas. Our university is lucky enough to have well qualified and brilliant faculty members who devote their time in spreading knowledge to the young minds and continuously carry out research projects too.

### Dr. Aurangzeb's (Best Teacher Award)

Dr. Aurangzeb Khan, is an Assistant Professor in the Department of Management Science and is a valuable asset to the university. He has been conferred the award of 'Best Teacher' in 2008. He has been



teaching in the CIIT for the last four years dedicatedly and has been working on different projects and initiated a new program for the CIIT. He received most of his education abroad and has done double Masters and Doctorate all from Germany. He has brought his rich experience to the CIIT.

Each year Higher Education Commission rewards the Best Teachers by giving them a certificate and a cash award in recognition to the meritorious services they render in the teaching field. In 2008, HEC announced Best Teacher Award for Dr. Aurangzeb Khan. According to him some of the attributes of a good teacher are:

#### Dr. Aurangzeb's personal mottos:

Don't Chase After Benchmarks in Teaching, Set Them Yourself!

Look towards the horizon and endeavour to see beyond it

- Understand the limitations of my students
- Early Disclosure of "Do's & Don't's"
- Accessible inside and outside class for subject-related queries and problems
- Extensive class interaction
- Encourage "creative thinking" - NOT "cramming"
- Emphasis on acquiring a holistic perspective of the subject being taught
- Detailed coverage of all major subject knowledge areas
- Insistence on completion of course outline
- Emphasis on practical application of knowledge acquired in class
- All class presentations are conducted with Microsoft PowerPoint and are exclusively in English
- Presentation by guest speaker from industry at the end of the semester

## Attributes of a Good Teacher

Aptitude

Has the requisite academic qualifications and adequate professional work experience

Has a long term commitment to the teaching profession

Feels pride in performance and accomplishment

Attitude

Has specialized in one or two areas of management

Strives for continuous improvement

Attributes

Is disciplined, hard working, well organized, presentable, a good communicator, cooperative, flexible, fair, open to constructive criticism and has an occasional dose of humour

Displays immaculate professional conduct and ethics

Approach

Is capable and desirous of initiating and sustaining networking with professionals in government and corporate sector

**Dr. Saleem Asghar**  
**Presidential Award (Sitara-i-Imtiaz2008)**

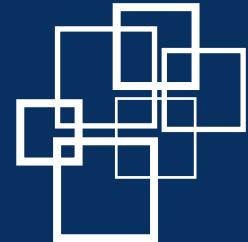
We feel delighted in having Dr. Saleem Asghar as our faculty member and the Head of the Department in the Department of Mathematics, Islamabad Campus. He is a leading scientist and educationist with almost 34 years of teaching and research experience. He obtained his Masters degree from the University of Punjab, Lahore and then he was conferred upon a PhD from Quaid-e-Azam University, Islamabad. Dr. Asghar's outstanding research contribution is in the fields of Fluid mechanics, Bio-mechanics and Wave mechanics which won him recognition at international and national levels. He has introduced a number of new concepts and techniques in Mathematics which are now being used in various studies on acoustic waves, electromagnetic waves and elastic waves. He has guided more than 70 research students and supervised their research work leading to M.Phil and PhD degrees. He has a unique honour of producing maximum number of research students in mathematics in Pakistan. He has served as a chairman at department of Mathematics in Quaid-e-Azam University in Islamabad for 6 years, has been appointed chairman of the Peer Review Committee for Mathematics from Pakistan Council of Sciences and Technology, He is member of the task force in Mathematics. He is a member of the world such as visiting Professor at the University of Illinois, USA for two times, Fullbright Fellow at the University of Kingston of Rhode Island USA. DAAD fellow at the University of Stuttgart ICTP Trieste Italy.



**Professor Dr. Muhammad Aslam Noor**  
**Presidential Award (Pride of Performance2008)**

We take pride in having Dr. Muhammad Aslam Noor in the Mathematics Department, Islamabad Campus. He obtained his Masters degree in Mathematics from the Punjab University, Lahore in 1967, MS from Queen University, Canada in 1971 and earned his PhD from Brunel University, London, UK in 1975. He enjoys a vast experience of teaching and research at the university level in various countries including Italy, Iran, Pakistan, Saudi Arabia, USA, Canada and United Arab Emirates. He also held several administrative positions such as Chairman and Head of the Department in many universities. His field of interest and specialization is versatile in nature and covers many areas of Mathematical and Engineering Sciences such as Variational Inequalities, Optimization, Operations Research, Numerical Analysis, Medical Imaging, Water Resources, Financial Mathematics, Nash Equilibrium and Economics with applications in industry, Neural Sciences and Biosciences. Recently he has been declared Top Mathematician of the Muslim World by OIC member states and Second leading Scientist and Engineer in Pakistan. He has published extensively and has to his credit more than 500 research papers in leading world class scientific journals and supervised several PhD and M.Phil students.





# RULES AND REGULATIONS

## REGULATIONS RELATING TO UNDERGRADUATE DEGREE PROGRAMS, 2009 -10

### GENERAL

The Institute shall offer courses leading to the undergraduate degrees in the subjects, and such other subjects, which may be introduced from time to time.

Admission to various degree programs shall be open to all eligible candidates without discrimination on the basis of caste, color, creed, sex, religion, or domicile.

An academic year at the Institute shall normally consist of two regular semesters, each of 16 weeks duration of teaching. A summer session may also be offered on need basis, but not as a regular feature. The duration of summer session, whenever offered, shall be eight weeks of teaching.

The candidates may apply in response to admission notice appearing in the print media, on the prescribed application forms available in the campus prospectus, and submit their completed applications to the campus of choice by the due date.

### ELIGIBILITY CRITERIA

The eligibility criteria for various degree programs shall be provided under the Academics chapter.

### 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. The weightage criteria for the undergraduate degree programs is provided under the Admissions criteria:

### 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 chairman/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:

(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 chairman/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 chairman/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:

## 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(see section 14-B). 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) 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.

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

**Note**

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

Academic Grade	Description
IP	In Process
WD	Withdrawal

- (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 withdrawal courses/semester shall be mentioned in the transcript.

(c) A withdrawn semester shall count towards the

maximum permissible number of semesters as explained.

## 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.

(a) The functions of the Discipline Committee are to:

- (i) To deal with all cases of indiscipline and

misconduct of students in the Institute and in the Campuses.

(i) Propose Regulations to the Academic Council for the conduct of students, maintenance of discipline, and for dealing with cases of indiscipline; and

(ii) 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.

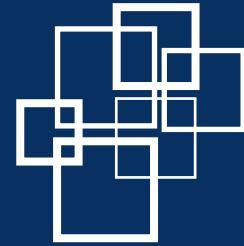
(l) Circulation by word of mouth or in written form material derogatory to Pakistan, Islam or any other religion.

(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 as deemed appropriate by the Discipline Committee, or Campus Discipline Committee, as the case may be:



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**Annex-I**

**Specimen of Affidavit or 'Hope Certificate'  
(To be notarized)**

I \_\_\_\_\_, son/daughter of \_\_\_\_\_

resident of \_\_\_\_\_, do  
solemnly affirm and declare as under :

- a. That I am the deponent of this undertaking and hence fully conversant with the contents of this undertaking.
- b. That I have appeared for ----- Examination in the ----- Session, from ----- (Institution) / Board / University. The result of the same is expected by ----- (date).
- c. That I will be able to score at least ----- % marks\* as per admission requirements of the COMSATS Institute of Information Technology for the degree program of -----
- d. That COMSATS Institute of Information Technology shall cancel my provisional offer of admission if I am unable to secure minimum required marks for admission, and forfeit the fees deposited, except the refundable Caution Money.
- e. I will submit the result card / DMC within (07) seven days of declaration of result of ----- examination failing which my admission at CIIT in the program I have been provisionally admitted shall automatically be considered as cancelled.

Name ----- Signature ----- CNIC/'B' Form No. ----- Date -----

----- Parent's / Guardian's name ----- Parent's / Guardian's signature -----

Parent's / Guardian's CNIC # -----

\* Please mention the minimum percentage of requisite marks for the Program in which you are applying.

**Annex-II****Specimen of Undertaking  
(To be notarized)**

I, Mr. / Ms. \_\_\_\_\_ Son / Daughter of \_\_\_\_\_ hereby solemnly declare that the information provided on this form is true and correct to the best of my knowledge. I have read and understood all the instructions provided in the current prospectus and agree to abide by them. I further undertake that I have sufficient financial resources required for the program of study at COMSATS Institute of Information Technology.

I also solemnly affirm, declare and undertake that:

- a. I shall abide by the rules and regulations enforced at CIIT at present and those which may be enforced at any time in the future.
- b. I shall conform strictly to the code of conduct for the students of CIIT.
- c. I shall at all times should respectful behavior towards management, faculty and my fellow students.
- d. I shall not, through my act, speech or gesture, incite any feelings, which are derogatory to any sect, ethnic group, caste, religion, creed, sex, or place of origin.
- e. I shall not indulge in any political activity, including unionism or political groupings.
- f. I shall protect and preserve the property of CIIT at all times and shall make all out efforts to prevent others from causing any damage or destruction to the Institute's property.
- g. I shall fully abide by the decisions of teachers, various discipline committees constituted for the purpose of ensuring and enforcing discipline and good order in the institute and of other authorities.
- h. I undertake to pay fees and other charges regularly by the due date, failing which I would be liable to pay late fees.
- i. If I am found involved in any unlawful activity in contravention of the above terms and conditions at any stage during my stay at CIIT, the institute shall have the right to cancel my admission without notice.

Name of Applicant ----- Signature of Applicant -----

Name of parent/Guardian-----Signature of parent/Guardian-----

Date -----