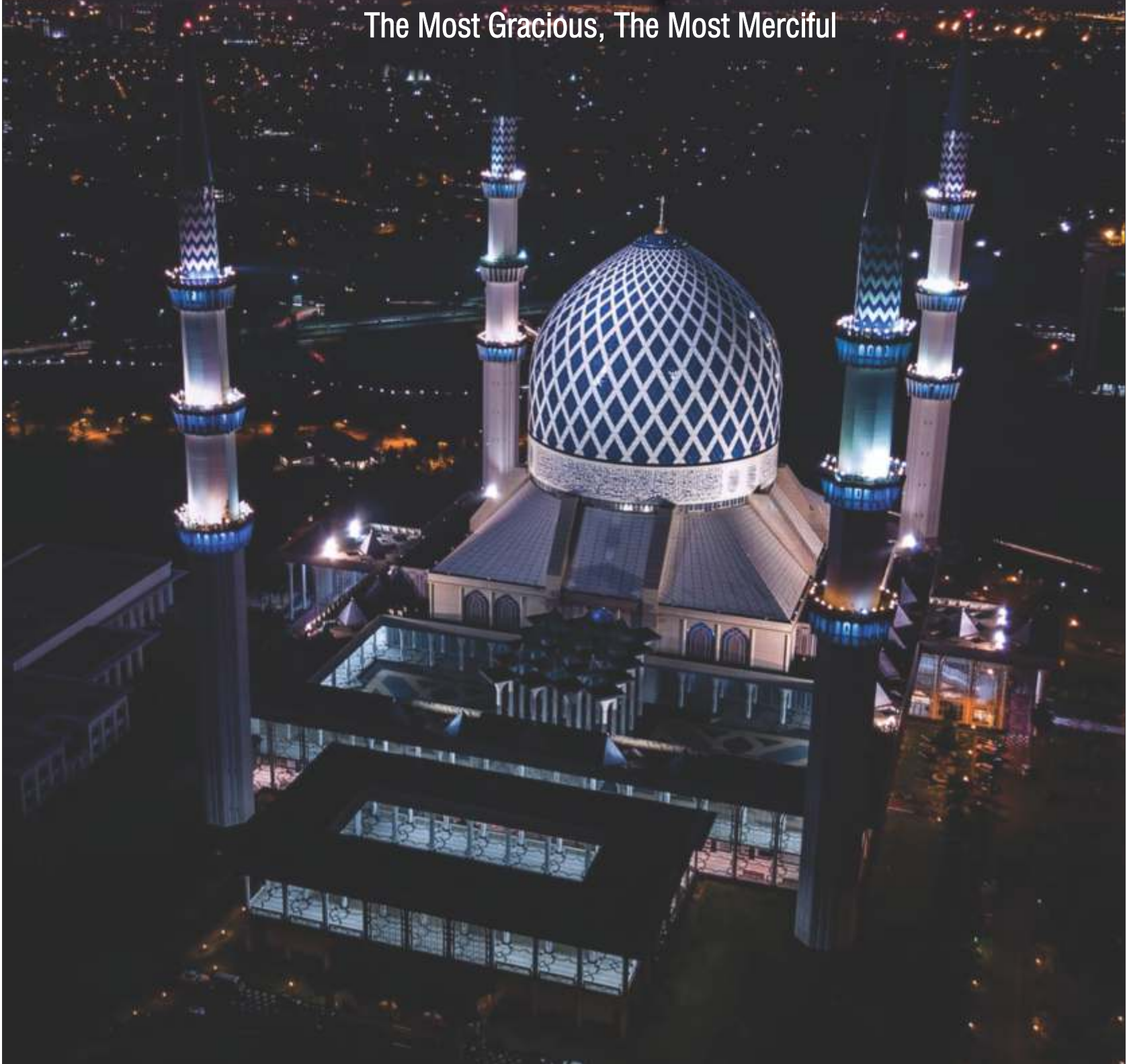


بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the Name of Allah,
The Most Gracious, The Most Merciful



Prophet Muhammad

(Peace Be Upon Him) said:

The seeking of knowledge is
obligatory for every Muslim...

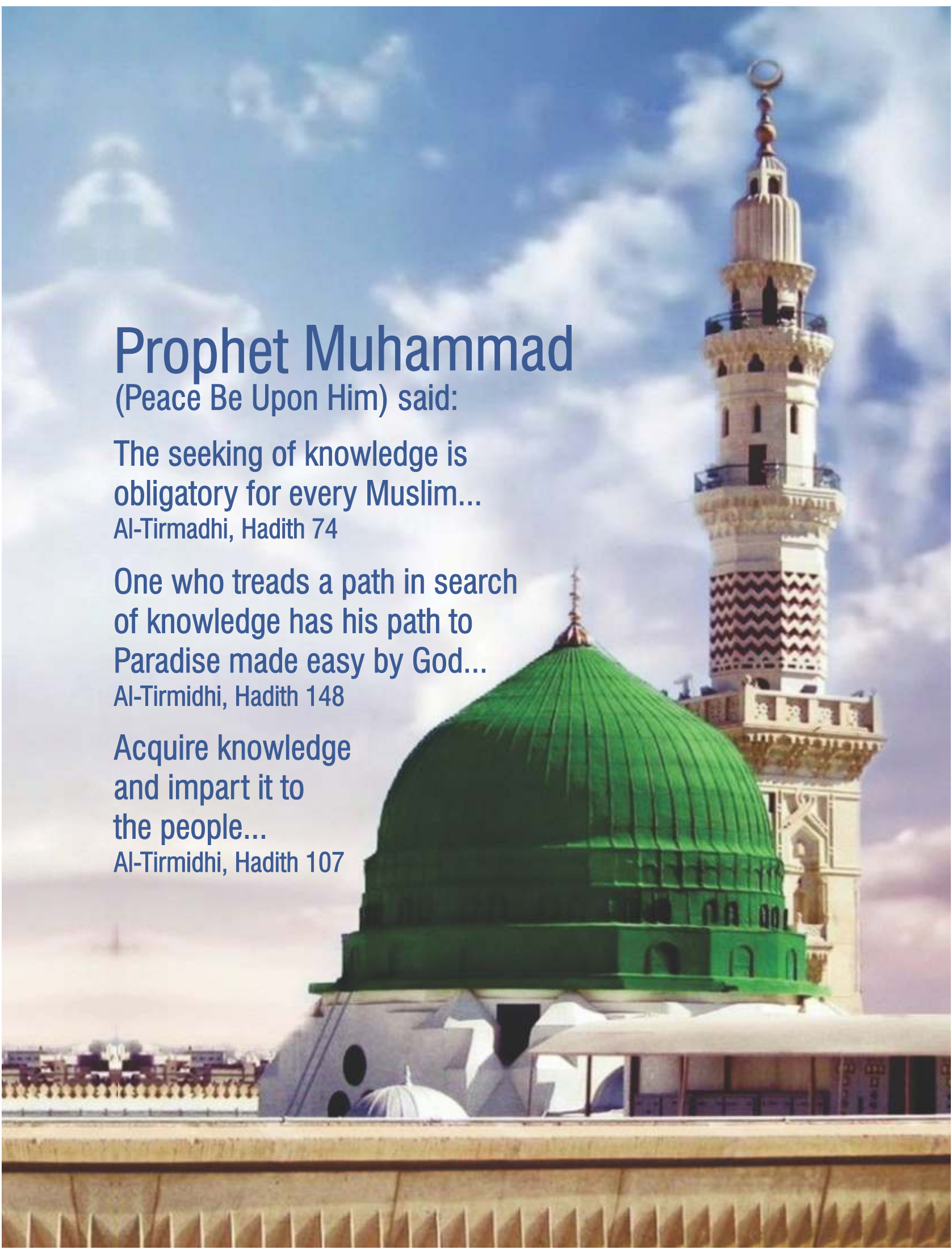
Al-Tirmadhi, Hadith 74

One who treads a path in search
of knowledge has his path to
Paradise made easy by God...

Al-Tirmidhi, Hadith 148

Acquire knowledge
and impart it to
the people...

Al-Tirmidhi, Hadith 107



FOUNDER OF THE NATION

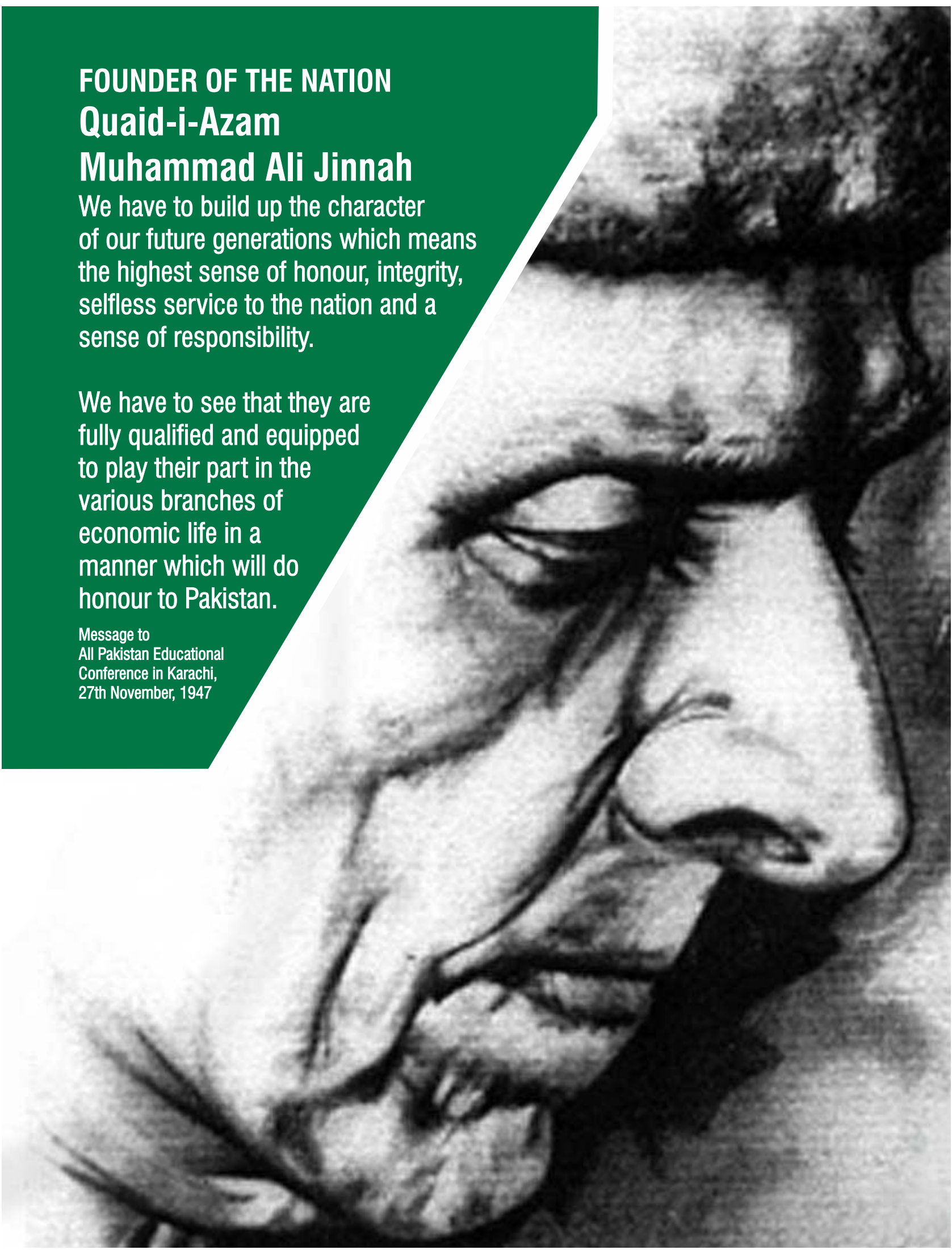
Quaid-i-Azam

Muhammad Ali Jinnah

We have to build up the character of our future generations which means the highest sense of honour, integrity, selfless service to the nation and a sense of responsibility.

We have to see that they are fully qualified and equipped to play their part in the various branches of economic life in a manner which will do honour to Pakistan.

Message to
All Pakistan Educational
Conference in Karachi,
27th November, 1947



Proud to be Students of CUSIT





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CUSIT BUILDINGS





Message

from the Founder / Chairman,
Peshawar Model Educational Institutes (PMEI)
Mohammad Zahoor Sethi

By the grace of Almighty Allah, we have entered the 22nd year of establishing City University of Science & Information Technology (CUSIT), Peshawar. We had our difficult moments, but with the prayers of our well-wishers and hard work by all concerned, we managed to complete our initial 21 years successfully.

It has always been my desire to promote quality education in our province. I am inspired by my respectable cousin, (Late) Professor Muhammad Ismail Sethi, former Vice Chancellor, University of Peshawar and Gomal University, whose contributions to the academic field are known far and wide. Today, I can proudly claim that I have been sincerely engaged in contributing my share to this noble cause.

Newly established academic institutions take a long time before they become well-known and reputable for their academic achievements.

We have strived for excellence right from the beginning and our experiences with Peshawar Model Schools and Peshawar Model Degree Colleges for boys and girls have helped us to pursue high standards of academic excellence.

We have been vigorously pursuing our dream of achieving excellence in CUSIT by providing highly qualified faculty, a challenging curriculum and an efficient administrative team. We firmly believe in producing well-qualified and competent graduates. Therefore, we have high expectations from our students, administrative staff and faculty. I am sure that as we progress, Insha Allah, CUSIT will compete with the best universities of the country, and our graduates would always be in great demand to fulfil the challenging needs of our nation.

I wish you all the best for achieving your goals. May Allah bless us with His Divine Guidance to carry out this noble mission. Ameen!



Message

from the President,
City University

Mohammad Sabur Sethi

It is an established fact that education plays a vital role in the survival and success of individuals as well as nations. In this modern age, no nation can progress without education. It is necessary for us to produce graduates of the highest intellectual caliber, and thus to find a respectable place amongst the developed nations of the world. Islam, our source of inspiration, guides us towards the pursuit of knowledge and education. It is thus our duty to follow the golden principles of Islam and excel in both the religious and the modern education.

Its is a source of great satisfaction that, by the grace of Almighty Allah, the university has progressed by leaps and bounds. It has gained a coveted position among the private sector universities of Pakistan, and is enjoying the trust and confidence of students sand parents.

Here, at the City University of Science & Information Technology (CUSIT), Peshawar, we are striving for excellence through hard-work, dedication, devotion and sincerity towards our goals. Your confidence in the CUSIT motivates us to keep working hard, and to provide you with the best possible educational environment.

We have put all our efforts into providing a congenial environment to students for grooming them into capable professionals. The faculty, the administration and the management are committed to attain these goals. Now, it is genuinely expected that the students of the university shall work hard to prove their worth and promote the name of their alma-mater.



Message

from the Vice President,
City University

Prof. Dr. Mohammad Asrar Khattak

It is a matter of immense satisfaction that CUSIT has emerged as renowned seat of learning within a short span of 21 years. It has accomplished much and has been making all-round progress.

The university is committed to providing quality education and the qualification gained by our students is recognized and respected by the employers and academics. The programs of this university are accredited with bodies like Pakistan Engineering Council & National Computing Education Accreditation Council.

The pragmatic approach of this institution has developed a favorable system which is honored and followed by all concerned. Here, the motto is quality not quantity. The quality of the students is directly linked with the quality of the faculty. Our well qualified and talented faculty is playing a great role in bringing improvement both in academics and research.

This rising standard of academic grooming, quality of research, number of graduates produced and growing number of research publications have earned a higher category and ranking for the university at national and international level.

Student's welfare fund has been established to help deserving and needy students. In fact, students are the main focus of our hopes and efforts, and it is a pleasure for me that the students and parents understand our efforts & sincerity.



Message

from the Vice Chancellor,
City University

Prof. Dr. Mohammad Abid

City University of Science and Information Technology (CUSIT), Peshawar is a pioneer private University in Khyber Pakhtunkhwa, established in 2001. The University owes its establishment to the Peshawar Model Educational Institutes founded in 1979. The founders of the University have the vision to provide quality education at affordable cost to the people of Pakistan in general and Khyber Pakhtunkhwa in particular.

Since its establishment, the University management and faculty have strived hard to provide cutting edge education. To achieve this goal, we provide congenial environment and outstanding faculty to impart and disseminate knowledge to the students. Our faculty members are highly qualified; they publish quality research internationally and in the HEC recognized journals and also provide the students with quality knowledge, friendly environment, and help them in the development of their skills for smooth transition to better careers. This is why our alumni contribute in different fields of life in the country and abroad.

The University has four multi-story buildings on its own vast land. The campus is on the outskirts of the city and is therefore free from pollution of the crowded area. There are lush green lawns and playing fields providing sporting and open-air sitting facilities for the students. The laboratories of the University are equipped with state-of-the-art latest equipment and are replenished regularly. Transport facility, library, cafeteria and Masjid are available on the campus. Last but not least the University has robust IT infrastructure and therefore all the correspondence among students, parents, management, faculty and staff within the University is almost paperless.

We are committed to providing quality knowledge to our students. For this purpose, the courses of the University are regularly updated and the faculty is given opportunities of getting trainings, refresher courses and other avenues to update their knowledge for the benefit of the students. As you join the University, you will find that the entire community of the University is ready to help you in the pursuit of knowledge, academic growth and career goals. On behalf of the management and faculty, I welcome you to the City University of Science and Information Technology, Peshawar.

Our Vision

To be one of the leading Universities that generates, propagates and disseminates Knowledge in cutting edge Sciences, Engineering & Technologies and Social Sciences to provide solutions to the contemporary problems and directions for the future.

Our Mission

To deliver high quality academic programs in Sciences, Engineering Technologies, Social Sciences and Humanities, based on State of the Art Knowledge, Skills, Attitude.

To attract and nurture quality minds, students and Faculty of high caliber who will contribute towards the national and global knowledge economy for the socio-economic development at regional and global levels.

To develop and nurture strong research culture & climate within a dynamic, efficient and effective team of academic and support staff.

To be financially self-sustaining through high quality education, cutting edge research, national and international collaboration and commercialization of R&D products and services.









Why City University?

- Chartered by the Government of Khyber Pakhtunkhwa
- Recognized by the Higher Education Commission (HEC)
- Accredited by Pakistan Engineering Council (PEC)
- Accredited by National Computing Education Accreditation Council (NCEAC)
- Permitted by Pakistan Council of Architects and Town Planners (PCATP)
- Placed in the highest category "W" by the HEC
- Vast experience and excellent reputation of the institution in providing quality education at an affordable fee structure
- Emphasis on discipline and character-building
- Certified faculty and professional environment
- Job-oriented degree programmes
- Students counselling and job-placement services
- Full/partial scholarships to meritorious/neediest students
- Purpose-built own campus, spread over an area of 90 kanals having spacious classrooms, labs and other academic facilities.
- Spacious library having quality books, magazines, CDs and Digital Library
- State-of-the-art Computer Labs and latest presentation equipment
- Centrally air-conditioned building
- For uninterrupted power supply to the whole campus, auto-start stand-by Diesel Electricity Generators, Solar Energy & UPSs
- Pleasant learning and politics-free environment
- Free internet facility with wi-fi services
- Free on-campus medical assistance
- Spacious parking for cars, motorcycles, cycles etc.
- Spacious Lawns, Mosque and Bookshop facilities
- Transport facility for students and staff
- Cafeteria with refreshments at reasonable prices
- Recreational Centre for in-door games





Location

City University of Science & Information Technology (CUSIT), Peshawar is located in the City of Peshawar, the capital of the Khyber Pakhtunkhwa, Pakistan.

Peshawar is one of the oldest living cities in South Asia. Lying at the foot of the world famous Khyber Pass, this historical city has been the gateway to Central Asia, providing a vital commercial, cultural and religious link. The mighty hordes of invaders including Aryans, Scythians, Persians, Bactrians, Kushans, Huns, Turks, Mongols and Mughals have passed through it before moving forward to India. In the past, the city has been mentioned by various names like "Pushpapura" meaning the "City of Flowers" but the present name Peshawar, meaning "The Place at the Frontier" was given by the Mughal Emperor Akbar.

Peshawar, inspite of great stresses, has retained its old complexion. A walk through the city blind alleys will tell you its centuries old grandeur and complexion. Remains of the old walled city and its gates tell the story of the good old days. It is undoubtedly a true metropolis of the Orient. Hospitality is never held back in this land of contrast and beauty. Some of the attractions at the city include Bala Hisar Fort, the 17th century Mahabat Khan Mosque, monuments of Buddhist era, Peshawar Museum, Qissa Khawani Bazar, city centre square-the Chowk Yadgar, reputed educational institutions and the like.

The city is linked with the world through an international airport. It has good network of roads and railways with other cities of Pakistan. Public transport, intra-city and inter-city, is available. Hotel accommodation is available from low to very expensive. Eating areas are available all over the town offering traditional and international cuisines. Shopping areas are generally located in the old city and cantonment area. Weather in Peshawar is extreme, both in summer and winter. Summer months are from April to September with temperature ranging from 25°C - 45°C and winter from November to March with temperature 5°C - 12°C.



Introduction

City University of Science & Information Technology, (CUSIT) Peshawar is one of the first private-sector universities, chartered by the government of Khyber Pakhtunkhwa, recognized by the Higher Education Commission (HEC), accredited by the Pakistan Engineering Council (PEC), National Computing Education Accreditation Council (NCEAC) and National Accreditation Council for Teacher Education (NACTE). The University is also permitted by Pharmacy Council of Pakistan for Pharm-D Program. The University is an extension of Peshawar Model Educational Institute (PMEI), founded in 1979 with an aim to impart quality education at an affordable cost.

Initially, a primary school was established by Muhammad Zahoor Sethi (Founder), comprising just one moderate campus with 300 students. But in due course of time the continuous efforts of our highly qualified faculty and dedicated management paid off and resulted in the establishment of Twenty (20) separate school campuses, five degree college campuses for boys and five degree college campuses for girls, with a combined strength of over 35,000 students.

Recognizing the extraordinary reputation of PMEI in providing quality education from primary to bachelor level, City University of Science & Information Technology, Peshawar was granted a charter as a university from the government of Khyber Pakhtunkhwa on 30th August, 2001.

The University was inaugurated by Lt. Gen. (R) Syed Iftikhar Hussain Shah, the then Governor, Khyber Pakhtunkhwa on October 06, 2001.

Dr. Abdul Qadeer Khan was also present at the inauguration. The foundation stone of the new campus at Dalazak Road was laid by the then Governor, Khyber Pakhtunkhwa, Mr. Khalil ur Rehman on 19th May, 2005. The new campus is spread at an area of over 90 kanals. This campus started its full-fledged academic activities since 11th March, 2009.

IT was inaugurated by the then Speaker, Provincial Assembly, Mr. Kiramat Ullah Khan Chagharmati on 12th March, 2011.

The University is managed through university bodies such as Board of Governors, Academic Council, Board of Advanced Studies & Research, Board of Faculties, Selection Board and Finance & Planning Committee. The day-to-day affairs of the University are managed by the Vice Chancellor with the help of Deans and Heads of Faculties.

All the efforts of City University's management, administration and faculty are directed to produce competent and efficient professionals who will effectively contribute in taking Pakistan to technological and economic glories.

Academic Collaborations

National / International Collaborations Academic Linkages:

For collaboration in teaching and research, the university has established links with many educational institutions in UK and USA, such as:

1. Regents Business School, City University, London
2. Bournemouth University, (UK)
3. Department of Construction Management, East Carolina University, USA
4. McWhorter School of Building Science, Auburn University, USA

They accept our credit hours of first three years of bachelor's degree and give admission in the final year. One of our students Mr. Atiq-ur-Rehman has already earned a bachelor degree from Bournemouth University U.K through this arrangement.

University entered into MoU with the following institutes:

1. Sudan University of Science & IT	13. Pembrokeshire College, Haverfordwest, UK.
2. Open University, Malaysia	14. Regent Business School, City University, London
3. Sultan Idris Education University, Tanjong Malim, Perak, Malaysia	15. Bournemouth University, UK
4. Islamic University, Uganda	16. Ghulam Ishaq Khan Institute, Topi Swabi
5. Kandhar University, Afghanistan	17. Indus University Karachi
6. Islamic School of Arts, Iran	18. Enabler's Inc
7. University of Kassala, Sudan	19. Al-Khidmat Foundation
8. University GAZINTEP Turkey	20. ALFA College University Malaysia
9. DICLE University, Turkey	21. JMM Technologies
10. Nile Valley University, Sudan	22. Stand For Peace Organization
11. Bursa Technical University, Bursa, Turkey (BTU)	23. MMC Hospital
12. Khushhali Bank / USAID	24. Souvenir General Hospital

Collaborations with National / International Corporate Linkages:

1. Ihsan Trust/ Meezan Bank
2. Pakistan Red Crescent Society (PRCS)
3. KPIT Board
4. Complete Human Resource Solutions (CHRS) Islamabad
5. Eastern Federal Union (EFU)
6. Momentum Ventures (Pvt) Ltd. Islamabad
7. SysComp International (Pvt Ltd. Islamabad)
8. Women's Digital League F-30, Block-7, KDA Scheme-5, Kehkashan, Clifton, Karachi
9. ABE-The Association of Business Executives-UK
10. Nestle Pakistan Limited
11. Allworld Network Inc
12. Securities & Exchange Commission of Pakistan (SECP)
13. Entrepreneurship Development Institute (Pvt.) Ltd. Islamabad
14. Khyber Pakhtunkhwa Chamber of Commerce & Industry (KPCCI)
15. Nishat Mills Ltd. Lahore.
16. Soft Skills Development Institute International (SSDII) USA
17. Khawateen Rozgar Services Pvt. Ltd.
18. C&W Department, Government of Khyber Pakhtunkhwa
19. Peshawar Electric Supply Company (PESCO)
20. Akhuwat Foundation

MoUs with Hospitals and Health Care Units

CUSIT is offering many courses in the Department of Health Sciences and Pharmacy. In order to give them hands-on experience in their related equipment, a number of MoUs have been signed with different hospitals and health care centers, such as

1. Rehman College of Rehabilitation Sciences (RMI), Hayatabad, Peshawar.
2. Jinnah Teaching Hospital, Peshawar.
3. Maqsood Medical Complex General Hospital (MMC), ring Road, Peshawar.
4. Souvenir General Hospital, Dalazak Road, Peshawar.
5. Al-Khidmat Foundation Hospital, Nishtar Abad, Peshawar.

Board of Governors

Chairman

Prof. Dr. Mohammad Abid
Vice Chancellor, CUSIT, Peshawar

Secretary

Higher Education Department,
Govt. of Khyber Pakhtunkhawa

Mr. Hifz ur Rehman

Former Secretary,
Administration Department,
Govt. of Khyber Pakhtunkhawa

Mr. Muhammad Azam Khan

Former Chief Secretary,
Govt. of Khyber Pakhtunkhawa

Justice (Rtd) Mohammad Ghazanfar Khan
Peshawar High Court

Chairman

Higher Education Commission,
Islamabad

Prof. Dr. Nasir Jamal

Vice Chancellor,
University of Swabi

Prof. Dr. Muhammad Zahid

Dean Faculty of Management Sciences,
CUSIT, Peshawar

Mr. Mobin Rafiq

Chairman,
Commonwealth Entrepreneurs Club, UK

Mr. Khalid Sultan Khawaja

CEO, Tariq Sultan & Company,
Peshawar

Prof. Dr. Nasser Ali Khan

Project Director,
PAF-IAST, Haripur

Prof. Dr. Mohammad Rasul Jan

Emeritus Professor,
University of Peshawar

Prof. Dr. Safia Ahmed

Vice Chancellor,
Shaheed Benazir Bhutto Women University,
Peshawar

Mr. Amjad Ali

Secretary / Registrar, CUSIT



Management / Administration



Mohammad Zahoor Sethi
Founder & Chairman, PMEI
(Peshawar Model Educational Institutes)

Patron

The Honourable Governor of KP

President

Mohammad Sabur Sethi

Vice President

Prof. Dr. Mohammad Asrar Khattak

Vice Chancellor

Prof. Dr. Mohammad Abid

Registrar

Amjad Ali

Controller of Examinations

Zafar Ahmed

Controller of Finance

Shakeel Ahmed Sethi

Executive Director Administration & Strategy

Mohammad Ayub Sethi









City University

invites applications for admissions to its various programs twice a year, once in Spring and then in fall (for more detailed information see CUSIT website <http://www.cup.edu.pk>). However, faculty of computer science and faculty of engineering announce admissions in fall only. Students who are interested to apply are advised to visit the campus for getting more detailed information about admissions to their respective programs.

Applications, duly filled in, and supported by all required documents are accepted at the admission office within the announced deadline.

On acceptance of an application form bearing the reference number, admission test date, date of interview, merit list of the successful candidates is announced.

On deposit of dues, within the dead line, students are issued their registration number and are given the courses to study in the first semester. Before commencement of classes, students are expected to attend an orientation session and collect their time table from the students' services office.

Every year, CUSIT attracts some of the most talented/gifted students. The network of our alumni is fast spreading in the corporate world and other fields. If you are looking for quality education and facilities, then CUSIT is the right choice for you. From classes to co-curriculars, volunteering and participating, you will be groomed to succeed at CUSIT and later in your practical life.

Important Information

Notes

- Full information is set out in the ordinance, statutes, regulations, rules, policies and procedures of the university. Copies are available on request from the Registrar's office.
- Detailed information about the programmes offered and the courses referred to in this prospectus is available from the department concerned.
- The guidelines and instructions of the Higher Education Commission (HEC) regarding curricula development, credit hours, degree duration etc. for the award of degree are strictly implemented. Changes in the foregoing degree programmes may be implemented as and when directed by the HEC.
- In the event of circumstances beyond its control, the university cannot guarantee the provision of all the schemes and services, advertised in the prospectus. Therefore, it reserves the right to cancel / make any change in the programme/ courses sequence & their credit hours without any notice, should it become necessary.
- Alteration / addition in the rules and regulations may be made from time-to-time. It is the students' responsibility to update themselves and be aware of such amendments which will be promulgated in the form of notices etc.
- All students are expected to behave in an orderly and disciplined manner. Ignorance of rules and regulations (academic / administrative) is no excuse for its violations.
- In accepting an offer to be a student of the university, he/she consents to incorporation of this notice as the term of contract between him/her and the university.
- Great care has been taken in compiling this prospectus. It is only for the general guidance of prospective students. For up-to-date information, please contact the Registrar's office.
- This prospectus refers to programmes and courses offered from August, 2022 & Onwards.

Semester System

There will be two semesters in a year, each spreading between 16 to 18 weeks. At the end of each semester, one to two weeks will be allowed for the examination and compilation of results. Students wishing to register in the next semester must complete their registration within one week of the declaration of results.

Teaching Organization

Various courses will be taught at the campus of the university and other approved centres through lectures, seminars, demonstrations, practical work in laboratories, group discussions, and other methods of instructions approved by the Academic Council.

Teaching in each Department / Institute / Centre will be conducted by the university teachers or such other persons as may be declared so by the university regulations.

Teaching in each Department / Institute / Centre will be organized through courses specified for each programme and approved by the university statutory bodies.

No course will be offered unless there are at least 15 students enrolled for that course. In special cases, however, the competent authority may waive-off this requirement.

Medium of Instruction

English will be the medium of instruction and examination, except in case of Islamic Studies (compulsory) which may be in Urdu.

Deficiency Make Up Course(s)

If a candidate lacks the background knowledge for a specific programme of interest, he/she will have to make-up the deficiency by taking the additional course(s) as may be prescribed by the concerned university authority.

Application Procedure

Application for admission must be submitted on the form enclosed with this prospectus. Photocopy or computer print out of the form will not be accepted.

However, international students applying from outside Pakistan may print out the admission form from our website. Incomplete applications in any respect will not be considered.

Attested copies of certificates and testimonials should be submitted with the application form.

The applications for admission should reach the Admissions Office on or before the specified date.

For admission to a degree programme, applicants must qualify the entry test and interview to be conducted by the university or any other Agency authorised by it like ETEA, NTS etc.

The merit for admission will be determined on the basis of entry test, interview and academic record.

Important Information

Transfer of Credits

Students desiring to transfer their credits, earned at other institutions, will be accepted under the following conditions:

- Credits have been earned from institutions recognized / accredited by HEC.
- Original transcript is produced along with photocopy.
- No credit hours of a course will be transferred if the grade is less than C for undergraduate and B for graduate.
- Credits from other institution will be evaluated by the equivalence / evaluation committee on course-to-course basis with courses offered by the University.
- Course outlines should match minimum 75% with that of the University.
- Maximum credit equivalent to 40% of the total credits of the degree programme of City University may be accepted.
- Grades points of the transferred courses will not be counted towards CGPA of courses of the University.
- The Transferred courses will appear in the full transcript of the University.
- Character certificate, from the previous institution is produced.
- In case of acceptance and willingness of the student for admission, he/she will have to produce migration certificate from the previous institution.
- Student will pay credit transfer fee for each transferred credit hour.

Restrictions and Declarations

All those candidates who were punished by their previous institutions or universities on account of indiscipline or undesirable activities will not be admitted in the university.

The authority concerned may refuse admission to a student who, in its opinion, has malafide intentions or undesirable background.

Students who are admitted to the university and their parents/guardians have to give an undertaking to abide by the rules and regulations of the university and other instructions as may be issued by the competent authority from time-to time.

Admission Authority

Admission to the programmes will be made by the Dean / Head of the department concerned on the recommendation of the Admission Committee.

The admission of a candidate to a programme will initially be provisional, and will be confirmed after verification of his / her testimonials and documents.

Registration

At the beginning of each semester, a student must register in the courses to be studied on the prescribed Course Registration Form.

Only the courses required to complete a specific degree programme, will be selected and offered by the appointed committee from the pool of courses given in this prospectus.

At the beginning of each semester, students will be offered full load of courses according to their degree programme, but they will have the choice to select fewer courses than the full load for any reason whatsoever. However, the maximum duration for completing a degree program should not exceed the limits given in the following table :

Programme	Years of Education	Duration		Total Semesters
		Minimum	Maximum	
BBA/BS-SE/BS-CS/BS- English/BS-Maths/MLT	16	4 years	5 years	8
B.Sc. (Electrical/Civil Engineering) Technology	16 / 17	4 years	5 years	8
B.Sc. (Elect/Civil Engineering)	16	4 years	7 years	8
B. Arch/DPT/Pharm-D	17	5 years	6 years	10
MBA	18	1 1/2 year	3 years	3
MS/M.Phil	18	2 years	4 years	4
Ph.D	21	3 years	8 years	6

Important Information

If a student fails in any course in a semester, he/she will have to re-register and re-take the failed course (including classes) whenever the department concerned offers it.

Students will not be allowed to register for a course whose pre-requisite has either been failed or not taken yet.

The registration will not be complete unless a student makes the required initial payment and submits the required documents to the Admissions / Student Services Office.

Registration and required payment must be completed by the dates notified for this purpose, provided that the authority concerned may, in special circumstances, permit a student to register within two weeks after the commencement of a semester.

A student admitted to a programme must register himself/herself for each semester, failing which his/her admission will stand suspended. In case he/she does not register for two consecutive semesters, his/her admission will be cancelled. Readmission of such a student will be considered as a new admission case.

Withdrawal/Change of Course(s)

When a course, for which a student is registered, cannot be offered according to the announced programme, he / she may take an alternative course. However, this must be done not later than 2 weeks after the due date of registration.

A student, with the consent of the concerned Head of Department, may be allowed to: (1) Change a course within 1 week of the commencement of a semester, or (2) Withdraw from a course within 4 weeks of the commencement of a semester.

Withdrawn courses will appear on transcript with letter grade "W".

Attendance Policy

The educational process at City University comprises to a large extent, on regular classes, make-up classes, laboratory work, in-semester tests and examinations. Failure to attend any of these can influence academic record, lead to dropping from the course, award of "F" grade or expulsion from the university.

Students must meet the attendance criterion in every course. Students with less than 75% attendance, in theory and practical / laboratory work separately, of any course, will not be allowed to sit in the final examination of that particular course.

If a student remains absent for one week continuously from all classes without any intimation, his / her admission will be suspended.

Students must take the required number of quizzes /

tests / examinations / assignments / projects, and fulfill other evaluation criteria set by the faculty. In case a student joins a course after it has started, he / she will be responsible for any missed quizzes, assignments, and lectures. No marks will be given for missed quizzes while make-up tests, assignments, projects, and labs can be arranged in consultation with the teacher / Head of Department.

The Head of Department shall grant leave to a student on the recommendation of the concerned teacher(s). The production of a medical certificate in support of leave shall be compulsory for an ailing student.

Fee

Total semester fee is payable in three equal instalments before admission / Registration, Mid Term examination and Final Term examination on or before the notified dates. Failing to do so will restrict the students from appearing in the respective examinations.

Course fee will be calculated as follows :

Total no. of credit hours in a semester x Fee per credit hour.

Students, who apply for Exemption of Course(s) / Transfer of Credits under the university rules shall pay the relevant "processing fee" for each course.

The fee may be increased by a maximum of 20% annually due to inflation.

Important Information

Fee Refund Schedule

Fee Deposited at the time of admission by fresh students or before the start of the semester, shall only be refunded subject to the following criteria:

- Upto 7th day of orientation / commencement of classes: 100%
- From 8th-15th day of orientation / commencement of classes: 50%
- From 16th day of orientation / commencement of classes: 0%

Examination and Evaluation

Each course shall carry 100 marks. Students will be assessed for 50% of the marks during the semester and 50% at the end of the semester.

The evaluation, in theory and laboratory work, during the semester shall be made by the teacher through tests, quizzes, time-constraint / group / major assignments, class participation & attendance, presentations, mid term examination etc.

There will be a final examination of the remaining 50% marks at the end of semester. For a course which has theory and laboratory work / practical, the student has to pass both separately. Failing in any one will result in 'F' grade and the course will have to be repeated. The university may engage external examiners for the final examination for quality control purposes. Each course offered at the university is allocated certain credit hours, which is the measure of the amount of work required for the course. For theory courses each credit hour means one contact hour of lecture while for laboratory courses each credit hour means three contact hours of practical work.

At the end of each semester, the students will be awarded letter grades and grade points according to percentage marks obtained in each course. Letter grades "W" (for withdrawn) "I" (for incomplete) and "EX" (for course exemption) will not count towards Semester Grade Point Average (SGPA)/Cumulative Grade Point Average (CGPA) computation. The letter grade "F" will be counted towards SGPA / CGPA computation. The grade points corresponding to the HEC grading system are as below:

Percentage Marks	Grade Point	Letter Grade
85 & above	4.00	A
80 - 84	3.67	A-
75 - 79	3.33	B+
71 - 74	3.00	B
68 - 70	2.67	B-
64 - 67	2.33	C+
61 - 63	2.00	C
58 - 60	1.67	C-
54 - 57	1.30	D+
50 - 53	1.00	D
below 50	0.00	F

Acceptable Grades and CGPA

Programs	Minimum Passing Grades			Minimum Degree Awarding Requirement in CGPA	Improvement Allowed on Grades
	Percentage Marks	Grade Points	Letter Grade		
Bachelor	50-53	1.00	D	2.00	C- D+ D
Master	50-53	1.00	D	2.00	C- D+ D
MS/M.Phil	61-63	2.00	C	2.50	C+ C
Ph.D	68-70	2.67	B-	3	B-

The Controller of Examinations shall issue transcripts to all students on completion of each semester examination and also on completion of a specific degree programme. Request for additional copy of transcript shall be entertained on payment of requisite charges.

Students must take their examinations in a disciplined manner. Instances of indiscipline and unfair means will be dealt with according to the Unfair Means (UFM) regulations.

Calculation of SGPA/CGPA

SGPA/CGPA is calculated at the end of each semester according to the following formula:

$$\begin{aligned}
 \text{SGPA} &= \frac{\text{Sum over Courses in Semester (Course Credit Hours x Grade Point Earned)}}{\text{Total Semester Credit Hours}} \\
 \text{CGPA} &= \frac{\text{Sum over all taken Courses in all Semesters (Course Credit Hours x Grade Point Earned)}}{\text{Total Credit Hours Taken in all Semesters}}
 \end{aligned}$$

Academic Progress

Students wishing to improve their grade in a course shall be allowed to do so by re-taking the complete course according to the rules.

Normal academic progress of a student refers to maintenance of minimum CGPA required for award of the degree. A student who falls below the minimum CGPA will be placed on "First Academic Probation" for the next semester and served a written warning. If a student does not come out of probation by increasing his/her CGPA to the minimum desired CGPA, then again he/she will go on "Last Academic Probation". If the student does not come out in the "Last Academic Probation" by achieving the minimum desired CGPA, he/she shall be dropped out from the university.

Scholarships

The University offers generous scholarships to meritorious students based on their academic achievements. For further information, please contact the Admissions Office:

1. Open Merit Scholarship - I

(i) Waiver : 100% Tuition Fee (from 1st semester & onwards)

(ii) Eligibility : At least 75% marks or CGPA 3.33 / 4.00 in the preceding exam(Intermediate/Bachelor)

(iii) Renewal : A minimum of CGPA 3.33 / 4.00 in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission. For BBA/BS A&F/BS-SE/BS-CS/BS-English/BS-MLT/BS-Mathematics/DPT/BS-Arch Programmes.

2. Open Merit Scholarship - II

(i) Waiver : 50% Tuition Fee (from 1st semester & onwards)

(ii) Eligibility : At least 65% marks or CGPA 3.00 / 4.00 in the preceding exam(Intermediate/Bachelor)

(iii) Renewal : A minimum of CGPA 3.00 / 4.00 in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission. For BBA/BS A&F/BS-SE/BS-CS/BS-English/BS-MLT/BS-Mathematics/DPT/BS-Arch Programmes.

3. Merit Scholarship - I

(i) Waiver : 100% Tuition Fee (from 2nd semester & onwards)

(ii) Eligibility : A minimum of CGPA 3.33 / 4.00 in the preceding semester with full load of courses passed

(iii) Renewal : A minimum of CGPA 3.33 / 4.0 in the preceding semester with full load of courses passed

(iv) No. of Scholarships : 5% of students Merit wise of the Batch excluding the Open Merit Scholarship-I & II. One student per batch for B.Sc. Civil/Electrical Engineering.

4. Merit Scholarship - II

(i) Waiver : 50% Tuition Fee (from 2nd semester & onwards)

(ii) Eligibility : A minimum of CGPA 3.00 / 4.00 in the preceding semester with full load of courses passed

(iii) Renewal : A minimum of CGPA 3.00 / 4.00 in the preceding semester with full load of courses passed

(iv) No. of Scholarships : 5% of students Merit wise of the Batch excluding the Open Merit Scholarship-I & II. One student per batch for B.Sc. Civil/Electrical Engineering.

5. Goodwill Scholarship - I

(i) Waiver : 30% Tuition Fee (from 1st semester & onwards)

(ii) Eligibility : Ex-Students of Peshawar Model Educational Institutes (PMEI) / Serving employees of PMEI and their children

(iii) Renewal : A minimum of 2.50 CGPA in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission

6. Goodwill Scholarship - II

(i) Waiver : 20% Tuition Fee (from 1st semester & onwards)

(ii) Eligibility : Ex-Students of Government Schools or Colleges / Retired or Serving Government Employees and their children.

(iii) Renewal : A minimum of 2.50 CGPA in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission

7. Females Scholarship

(i) Waiver : 50% Tuition Fee

(ii) Eligibility : Females only

(iii) Renewal : A minimum of 2.50 CGPA in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission

8. PMEI Employee Scholarship (Weekend Programs)

(i) Waiver : 100% Tuition Fee

(ii) Eligibility : Staff members of PMS/PMDC/CUSIT who served for 2 years & above.

(iii) Renewal : A minimum of 2.70 CGPA in the preceding semester with full load of courses passed

(iv) No. of Scholarships : All eligible at the time of Admission

Terms & Conditions Apply

In all cases where regulations / Policies are silent or where there is difference of opinion about their interpretation, the decision of the committee appointed by the Vice Chancellor will be final, provided that it is not inconsistent with or repugnant to these regulations.



Requirement for the Award of Degree

Students are required to have CGPA of at least 2.0 in the Bachelor/Master, 2.5 in M.Phil/MS and 3.0 in Ph.D programmes for award of the final degree. Students are required to have GP of at least 1.00 in the Bachelor/Master, 2.33 in M.Phil/MS and 2.67 in Ph.D program to clear a course.

Students who fail to complete a course for reasons beyond their control may be granted grade incomplete "I". This course can be completed subsequently but before the end of the following semester by depositing the required fee. The grade "I" will then be replaced by the earned grade.

Change of Degree Programme

At bachelor level where possible, students will have the option to change their degree programme before the completion of the first semester.

Students will be responsible to fulfill any deficiency which may occur due to this change.

Disciplinary Rules & Regulations

Exemplary conduct and discipline is expected from CUSIT students. Any student found indulging in conduct unbecoming, in the classroom or on the campus, shall be administered a stern warning. If the defaulting student does not show improvement in behavior/conduct, his/her name will be struck off the University Rolls. Friends and relatives of students are discouraged to visit during the university hours. However, in case of emergency they may contact the Information Office. Visitors are not allowed to enter classrooms, the library or the computer labs.

I. D. Cards

All students are required to possess a valid I.D. Card. Students are strictly required to display their Cards before entering University Campus, Labs, and Classrooms. Students are bound to produce I.D. Cards on demand by any University Official.

Dress Code

For males: Formal pants, slacks, khakis, jeans. dress shirts (neatly tucked in), tee shirts (only Polo necks without offensive words/images painted). Leather Shoes, joggers. shalwar kameez (only on fridays) or by special permission.

For females: Shalwar Kameez with scarf/dupata, trousers with long shirt

scarf/dupata, modest make-up and jewellery, if worn. Each student, male or female, is expected to give a neat look.

Patchy, tattered and shabby looking Jeans, crew neck tee shirts, loafers, chap-pals are not allowed. Badly creased clothes or disheveled hair are not allowed. Students violating dress code can be fined Rs. 500 and will also not be allowed to attend classes.

Smoking/Drinking/Eating

CUSIT campus is a smoke free zone. Drinks and eatables can be taken only inside the cafeteria and allowed areas. Drinking/eating at all other places is prohibited.





We Are **Focused on** **Your Academic Counselling**

Establishment of Integrated Students' Counselling System (ISCS) in Fall-2016 was a step forward in the direction of documentation, tracking, reporting and maintenance of real-time assessment of every Academically Deficient Student (ADS). Monthly meetings of Student Performance Review (SPR) are presided over by the Honourable Vice Chancellor along with Students' Academic and Wellness Counsellor (SAWC), and departmental coordinators. In these meetings, progress over the whole month regarding every ADS is put forth by the SAWC and departmental coordinators. From dealing students struggling with university adjustment, advising about the impact of course selection on the overall academic performance, management of the stress of the course load, intimating the new students with the dos and don'ts of semester system to mitigating exam phobia among students especially newcomers comprise some of the aspects of the scheme of ISCS.

Facilities



Computer Laboratories

The Computer Laboratories are equipped with latest computers, printers, multimedia and other presentation equipment for the personal and academic growth of students. High speed Internet facility is available during university hours through wi-fi.



Library

A library with a variety of books in multiple disciplines is available for students. The library is also equipped with local & international journals, magazines and CDs. For research purpose, the library is equipped with Computer Systems and the digital library provided by Higher Education Commission (HEC).



Civil Engineering Laboratories & Workshops For Civil Engineering programme, Laboratories and Workshops and departmental library are available which give students hands-on practice during their practical, lab-work and workshop practice."

Electrical Engineering Laboratories & Workshops

For Electrical Engineering programmes, Laboratories and Workshops and departmental library are available which give students hands-on practice during their practical, lab-work and workshop practice.



Centrally Air-Conditioned Building

To face extreme weather conditions, the campus is centrally airconditioned, which helps to provide conducive environment for learning at the desired level.

Facilities



Book Bank & Bookshop

A Bookshop is available which caters to the needs of the students regarding book bank, photostat, stationery, basic text-books etc.



Centrally Air-conditioning, Heating, Electricity Generators and UPSs

The plant provides Centrally Air-conditioning for summer season and Centrally heating for winter season. To ensure uninterrupted power supply to the whole campus, the university has auto-start stand-by Diesel Electric Generators, Solar Energy & UPSs'



Transport

Transport facility for designated areas and routes is available to students and staff. Further detail on transport are available from the university office.



Secure Parking

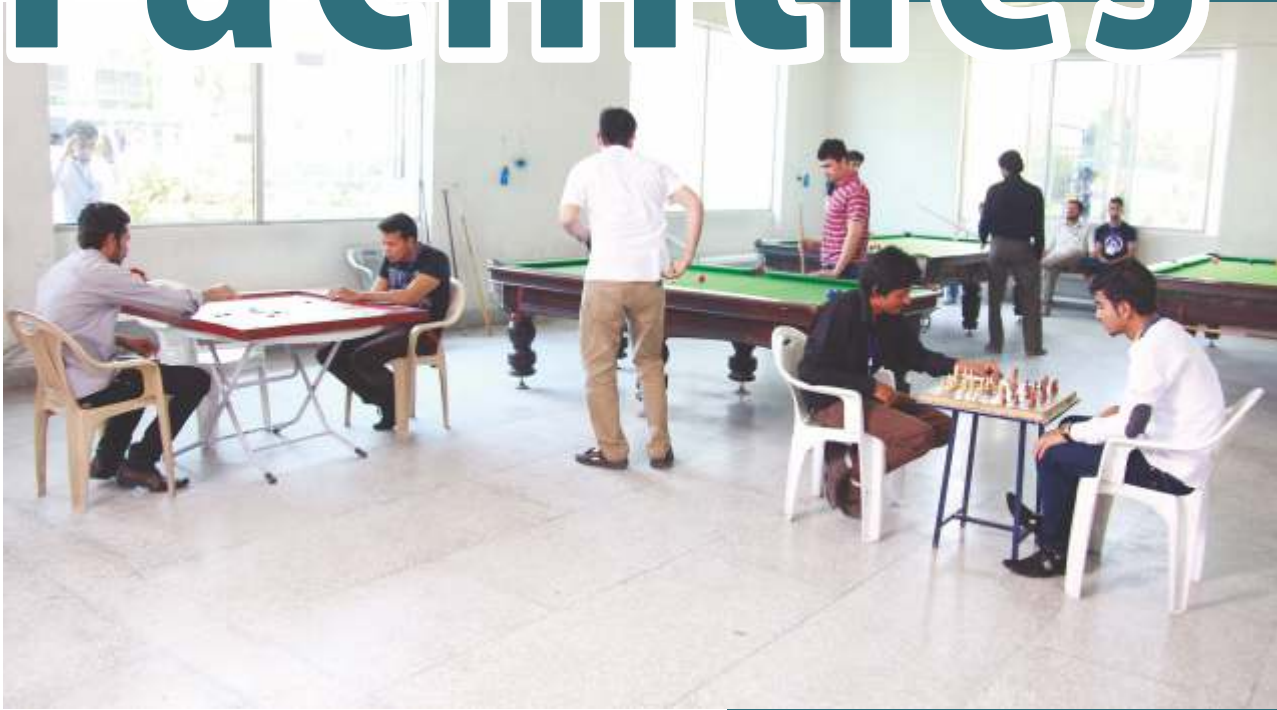
For the students, staff and visitors, spacious Parking for cars, motorcycles and cycles etc is available.



Cafeteria

A neat and clean cafeteria is available to students which provides snacks, food and beverages. The place also provides them an opportunity to relax, chat and share information.

Facilities



Recreational Centre

The university has a Recreational Centre on its premises. A variety of indoor-games such as snooker, table-tennis, chess, etc. are provided to the students for their recreation.



Lawns

A lush-green rear lawn and multiple triangular mini front lawns are available which add to the grandeur and beauty of the campus. The flower-beds, ornamental plants and the greenery add to the pleasant environment.



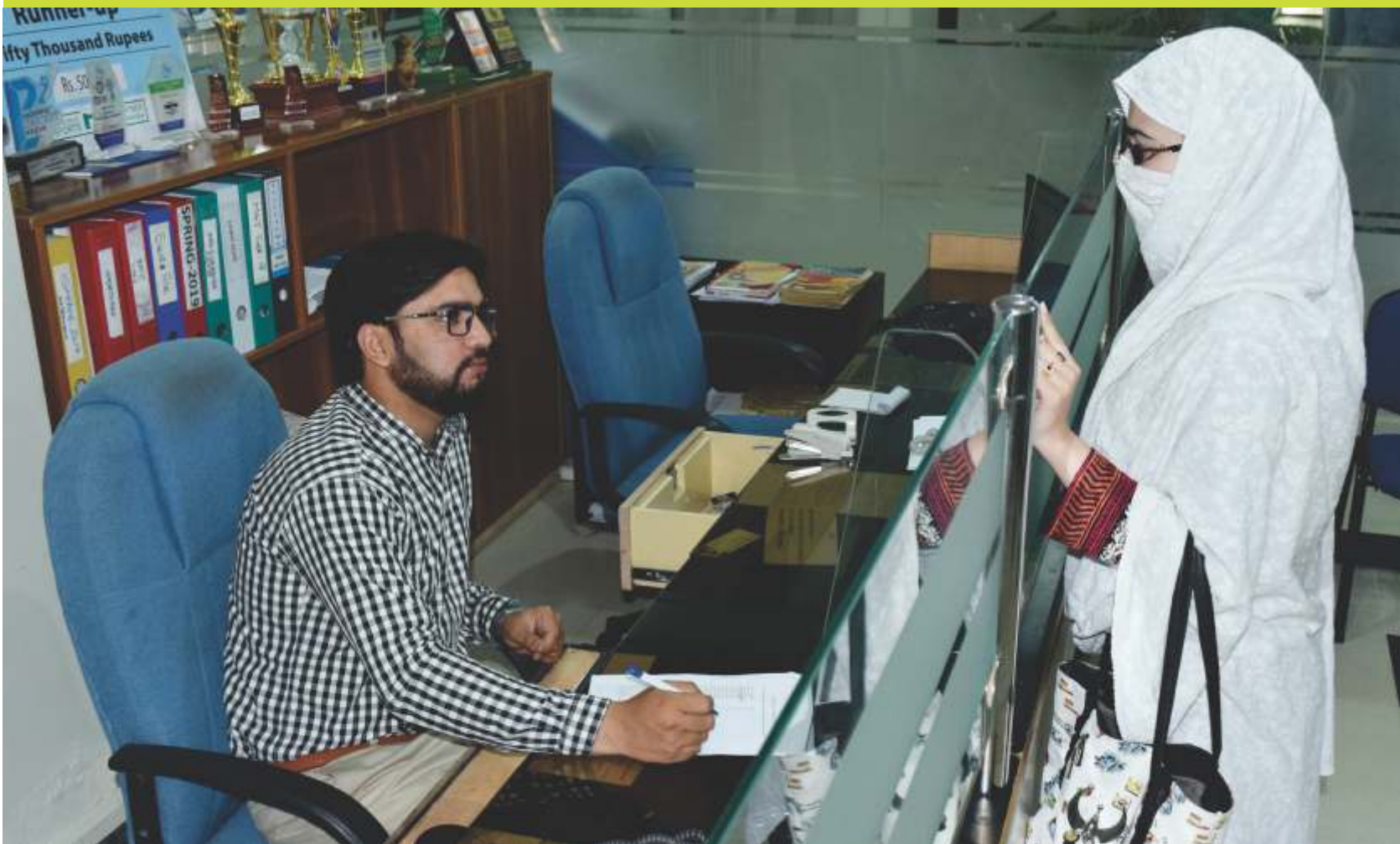
Mosque

An Air-Conditioned mosque with a reasonable capacity is available, which provides sufficient space to offer prayers.



Girls Common Room

A separate Girls Common Room is available to female students to relax, gossip and wait during their spare time at the campus.



Student Life in CUSIT

Students Services Office

The Students Service Office of CUSIT works as a bridge between the students and the university.

S.S.O inspects all the student affairs and provides student services pertinent to programs offered at the university for students. Students are facilitated in providing all the information and are guided for all the rules and regulations of the university. The S.S.O provides all the services in the following matters:

Students' Counselling

Counselling of freshly admitted as well as existing students is done through a students' counsellor, available to the students during university hours. The students' counsellor works closely with students to solve their academic as well as administrative problems.



Student Life Centre

Co-Curricular Activities

The university encourages students to take part in co-curricular activities. Due importance is given to recreation and exploring the talent of students by providing them means of sports, cultural and stage performances. Students are encouraged to take part in co-curricular activities.

For this purpose CUSIT has introduced **Students Life Centre** in year 2021. The Club Come into being with the mission of empowering the students and vision to enhance their interpersonal skills for the practical life.

Following Eight student societies and Two Teams are working under the umbrella of SLC Each society is headed by the faculty member.

CUSIT Societies

- Sports society
- Debating Society
- Society of IT & Robotics
- Music Society
- Society of Literature Arts & Culture
- Excursion Society
- Welfare Society
- Women's Club
- Organizing Team
- Creative Team

CONVOCATION





12th Convocation

In the 12th Convocation, held on 6th December, 2022 in which 628 successful graduates of MS (Electrical Engineering), MS (Mathematics), MS (Software Engineering), MS (Computer Science), MS in English, M.Phil. (Education), MS (Management Sciences), M.Phil (Economics), B.Sc. Electrical Engineering, B.Sc. Civil Engineering, B.Tech (Electrical), B.Tech (Civil), BS (SE), BS (CS), M.A. English, M.Ed., BS (English), MBA (1.5 Year), M.Com, BBA, DPT, BS-MLT and B. Architecture and B.Com were conferred degrees. Degrees were distributed by the Chief Guest Mr. Ghulam Ali, Governor, Khyber Pukhtunkhwa. 14 Gold Medals were also awarded to the outstanding graduates.



City University of Science & Information Technology Alumni Association (CUSITAA)

The Product of an Institute is its graduates. What they become in practical life and where they reach cannot be attributed to him/her only it is the continuation of the accomplishments of their Alma-mater as well. CUSITAA is a non-political and voluntary organization, which has been established to have a social and interactive forum to work for the welfare of the present and old students.

Purpose

- Connect students for a lifetime relationship with their fellow Alumni and the University.
- Provides and Enhances Alumni support to the current students through community leadership, service and fundraising initiatives of Alumni.
- To actively contribute and initiate to arrange for the advancement and financial support of needy students of their Alma-mater.
- Provides a channel of communication between alumni and the University.
- Promotes the public image of the University and its programs.



Alumni Gathering

Academic Programs

City University offers degree programs that are demanding, broad and relevant to today's professional needs

Faculty of Management Sciences

- BBA
- BS-Accounting & Finance
- BS-Digital Marketing
- BS-Economics
- BS-Commerce
- M.Phil Economics
- MBA
- MS-MS (HRM/Finance/Marketing)
- Ph.D Management Sciences

Faculty of Engineering Technology and Architecture

- B.Sc. Civil Engineering
- B.Sc. Electrical Engineering
- MS Electrical Engineering
- Ph.D Electrical Engineering

Faculty of Computing & Numerical Sciences

- BS-Computer Science
- BS-Software Engineering
- BS-Mathematics
- BS-Data Sciences
- BS-Artificial Intelligence
- Two Year Associate Degree Program
- M.Phil Mathematics
- MS-Computer Science
- MS-Software Engineering
- M.Phil Mathematics
- Ph.D Computer Science
- Ph.D Mathematics

Faculty of Social Sciences

- BS-English (Linguistics & Literature)
- BS-Psychology
- BS-Sociology
- BS-Social Science
- BS-International Relations
- BS-Political Science
- BS-Pakistan Studies
- BS-Urdu
- BS-Hindko
- M.Phil English (Linguistics & Literature)
- Ph.D English (Linguistics & Literature)

Faculty of Health Sciences

- Doctor of Pharmacy (Pharm-D)
- Doctor of Physical Therapy (DPT)
- BS-Dental Technology
- BS-Anesthesia Technology
- BS-Medical Lab. Technology (MLT)
- BS-Microbiology
- MS-Healthcare Management

Academic Programs



Faculty of Management Sciences

Department of Management Sciences

BBA, BS. Accounting & Finance (ACCA Accredited with 09 Exemptions)

BS. Digital Marketing

BS. Economics, BS. Commerce,

M.Phil Economics, MBA,

MS. Management Sciences,

Ph.D Management Sciences



Faculty Members of Management Sciences



Prof. Dr. Muhammad Zahid

Professor

Dean Faculty of Management Sciences

Ph.D (Management Sciences)

Universiti Teknologi PETRONAS, Malaysia



Dr. Muhammad Asif

Associate Professor

Head, Department of Management Sciences

Ph.D (Finance), Qurtuba University, Peshawar

Dr. Muhammad Zeeshan

Assistant Professor

Ph.D (Economics), University of Peshawar

M.Phil (Economics) University of Peshawar

Dr. Jangraiz Khan

Assistant Professor

Ph.D (Economics) University of Peshawar

Dr. Zain Ullah,

Assistant Professor

Ph.D Qurtuba University, Peshawar

MS (Business Administration) NUML, Islamabad

Dr. Zunnoorain Khan

Assistant Professor / Director QEC

Ph.D (Management Sciences), SZABIST, Islamabad

MS. (HRM), CECOS University, Peshawar

Ms. Saima Bano

Lecturer

MS (HRM) Islamia College University, Peshawar

MBA, Quaid-e-Azam University, Islamabad

Ms. Shahnila Yousaf

Lecturer

Ph.D Marketing (In progress),

Qurtuba University, Peshawar

MS (Marketing) CUSIT, Peshawar

Ms. Saba Gul Rehmat

Lecturer / Coordinator

MS (HRM), IMSciences, Peshawar

MBA (Finance), IMSciences, Peshawar

Mr. Ghafar Ali

Lecturer

MS (Finance)

Virtual University, Lahore Pakistan



Department of Management Sciences

Vision

"To be recognized as pioneer business school for business education, research and practices by developing entrepreneurs, business professionals and leaders who are able to face local, national and international challenges."

Mission

Our mission is to provide business education, ranging from undergraduate to post-graduate programs, which have an impact on the business world and society at large with emphasis on creation and dissemination of relevant knowledge, the creation of new and advance learning opportunities, the discovery and engagement of learners in activities that develop their professional competencies, through experienced faculty, conducive learning environment, and community engagement.

Objectives

- To produce leaders who can tackle challenging situations in contemporary business world.
- To develop business graduates with in-depth knowledge of business and related subjects.
- To produce well-groomed students that are able to compete at local, national and global level.
- To provide quality business and management education with market trends, social responsibilities and practical exposures.
- To contribute in the local and national economy by producing entrepreneurs, leaders, and business professionals.
- To create an academia-industry linkage and other understanding with the corporate world that can contribute in the learning of students, faculty and is also used as a mean of contribution to the society.

Learning Outcomes

- The students who earn the Management or Commerce degree will be able to;
- effectively utilize various human relation skills including leadership; oral and written communication; teamwork and collaboration.
- demonstrate competence in applying the tools and techniques of business management, drawing on a broad-based knowledge of the major functions like accounting, economics, finance, information systems, marketing, strategy and management to solve complex business problems and make sound business decisions.
- use qualitative, quantitative methods and analytic tools to diagnose business challenges; identify, and analyze alternatives in a business context.
- think critically and creatively in seeking solutions to establish new business ventures.



Department of Management Sciences

0248 Bachelor of Business Administration

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
CSC-101(2)	Introduction to Computing	3
ENG-111	Freshman English-I	3
HUM-101	Islamic Studies	3
MGT-103	Business in Contemporary World	3
MTS-104	Business Mathematics	3

2nd Semester

Course	Course Title	Credit Hours
ECO-102	Micro Economics	3
ENG-207	Freshman English-II	3
HUM-102	Pakistan Studies	3
MGT-204	Introduction to Management	3
PSY-101	Fundamentals of Psychology	3

3rd Semester

Course	Course Title	Credit Hours
ACC-211	Financial Accounting-I	3
ECO-103	Macro Economics	3
ENG-225	Oral Communication	3
HRM-202	Human Resource Management	3
HUM-103	Sociology	3
MTS-218	Business Statistics	3

4th Semester

Course	Course Title	Credit Hours
ACC-212	Financial Accounting-II	3
ECO-301	Economy of Pakistan	3
ENG-201	Business Communication	3
FIN-202	Business Finance	3
MGT-205	International Relations & Current Affairs	3
MKT-201	Principles of Marketing	3

5th Semester

Course	Course Title	Credit Hours
ACC-301	Cost Accounting	3
FIN-204	Money, Banking & Finance	3
FIN-303	Financial Management	3
HUM-201	Logic & Critical Thinking	3
MGT-307	Business Law	3
MKT-203	Marketing Management	3

6th Semester

Course	Course Title	Credit Hours
CSC-409	Management Information System	3
HRM-201	Organizational Behavior	3
MGT-309	Business Ethics	3
MGT-312	Business Research & Report Writing	3
MGT-408	Leadership	3
MKT-402	Consumer Behavior	3

7th Semester

Course	Course Title	Credit Hours
MGT-302	Entrepreneurship	3
MGT-306	E-Commerce	3
-----	Elective-I (FIN/HRM/MKT/ENT)	3
-----	Elective-II (FIN/HRM/MKT/ENT)	3
MGT-499	Research Project	3

8th Semester

Course	Course Title	Credit Hours
MGT-412	Operations Management	3
MKT-403	International Business Management	3
-----	Elective-III (FIN/HRM/MKT/ENT)	3
-----	Elective-IV (FIN/HRM/MKT/ENT)	3
MGT-499	Research Project	3



Department of Management Sciences

Elective Courses for Specialization in Bachelor of Business Administration

A. Human Resource Management

HRM-401	Organizational Development
HRM-402	Human Resource Development
HRM-403	Strategic Human Resource Management
HRM-404	Training & Development
HRM-405	Compensation Management
HRM-406	Industrial & Labour Laws
HRM-407	Staffing & Performance Management
HRM-408	Change Management
HRM-409	Conflict Management
HRM-412	Case Studies in HRM

C. Marketing

MKT-401	Strategic Marketing
MKT-402	Consumer Behavior
MKT-403	International Business
MKT-404	Advertising
MKT-405	Marketing of Services
MKT-406	Contemporary Issues in Marketing
MKT-407	New Product Management
MKT-408	Strategic Brand Management
MKT-409	Social Marketing
MKT-410	Export Marketing
MKT-412	Integrated Marketing Communication
MKT-413	International Marketing

B. Finance

FIN-401	Islamic Banking
FIN-402	Financial Institutions & Capital Markets
FIN-403	Investment & Portfolio Management
FIN-404	Financial Statement Analysis
FIN-405	Islamic Financial System
FIN-406	Corporate Finance
FIN-407	Micro Business and Islamic Finance
FIN-408	Business Taxation
FIN-409	Financial Management
FIN-410	Islamic Banking & Finance

D. Entrepreneurship

MGT-314	Generating New Startup and Venture ideas
MGT-315	New Venture Feasibility
MGT-316	Entrepreneurial Strategies
MGT-317	Social Innovation and Entrepreneurship
MGT-318	Product Design and Marketing
MGT-319	Project Integration and Planning
MGT-320	Environmental Issues and Ecosystem for Business
MGT-321	Corporate Entrepreneurship
MGT-322	Entrepreneurship Theories

Note: Number of elective courses for specialization is not limited to the above mentioned list.



Department of Management Sciences

0268 BS Accounting & Finance

ACCA Accredited with Nine (09) Exemptions

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized Board.

1st Semester

Course	Course Title	Credit Hours
ACC-211	Financial Accounting-I	3
CSC-101	Introduction to Computing	3
ENG-111	Freshman English-I	3
HUM-101	Islamic Studies	3
MGT-103	Business in Contemporary World	3
MTS-104	Business Mathematics	3

2nd Semester

Course	Course Title	Credit Hours
ACC-212	Financial Accounting-II	3
ECO-102	Micro Economics	3
ENG-207	Freshman English-II	3
HUM-102	Pakistan Studies	3
MGT-204	Introduction to Management	3
MTS-218	Business Statistics	3

3rd Semester

Course	Course Title	Credit Hours
ACC-206	Cost Accounting	3
ECO-103	Macro Economics	3
ENG-225	Oral Communication	3
FIN-202	Business Finance	3
FIN-204	Money, Banking & Finance	3
MKT-201	Principles of Marketing	3

4th Semester

Course	Course Title	Credit Hours
ACC-205	Principles of Auditing	3
ECO-301	Economy of Pakistan	3
ENG-201	Business Communication	3
FIN-303	Financial Management	3
MTS-208	Statistical Inference	3
PSY-101	Fundamental of Psychology	3

5th Semester

Course	Course Title	Credit Hours
ACC-208	Managerial Accounting	3
HRM-202	Human Resource Management	3
HUM-103	Sociology	3
MGT-306	E-Commerce	3
MGT-307	Business Law	3
FIN-304	Corporate Governance	3

6th Semester

Course	Course Title	Credit Hours
CSC-409	Management Information System	3
FIN-406	Corporate Finance	3
FIN-408	Business Taxation	3
FIN-305	Behavioral Finance	3
MGT-303	Methods in Business Research	3
MGT-206	Corporate Law	3

7th Semester

Course	Course Title	Credit Hours
MGT-302	Entrepreneurship	3
MKT-403	International Business	3
-----	Elective-I	3
-----	Elective-II	3
MGT-499	Research Project	3

8th Semester

Course	Course Title	Credit Hours
ACC-408	Accounting & Software	3
-----	Elective-III	3
-----	Elective-IV	3
MGT-499	Research Project*	3

Elective Courses for Specialization

FIN-404	Financial Statement Analysis
FIN-402	Financial Institution and Capital Market
FIN-413	Strategic Finance
FIN-418	Corporate Risk Management
FIN-405	Islamic Financial System
FIN-403	Investment & portfolio Management
FIN-411	Merger & Acquisition
FIN-414	Case studies in Finance
FIN-416	Treasury and Fund Management
ACC-406	Advance Auditing
ACC-408	Accounting Information System
ACC-403	Advance Financial Accounting
ACC-409	Financial Reporting

ACCA Exempted Courses

ACC-208	Managerial Accounting
FIN-412	Performance Management
FIN-408	Business Taxation
FIN-417	Advance Taxation
ACC-407	Financial Reporting
ACC-210	Advance Accounting
ACC-205	Principles of Auditing
ACC-406	Advance Auditing
FIN-303	Financial Management
FIN-301	Business Finance
FIN-505	Corporate Finance

Department of Management Sciences

270 BS Digital Marketing

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized Board.

1st Semester

Course	Course Title	Credit Hours
MKT-201	Principles of Marketing	3
ENG-111	Freshmen English-I	3
CSC-101	Introduction to Computing	3
HUM-102	Pakistan Study	3
HUM-101	Islamic Study	3
ACC-203	Financial Accounting	3

2nd Semester

Course	Course Title	Credit Hours
MGT-101	Principles of Management	3
ENG-207	Freshmen English-II	3
MTS-104	Business Mathematics	3
MTS-218	Business Statistics	3
-----	Introduction to Digital Marketing	3
PSY-106	Psychology	3

3rd Semester

Course	Course Title	Credit Hours
ENG-209	Oral Communication and Presentation Skills	3
-----	Business Economics	3
HRM-202	Human Resource Management	3
MKT-203	Marketing Management	3
MGT-306	E-Commerce	3
-----	IT tools for Digital Marketing	3

4th Semester

Course	Course Title	Credit Hours
ENG-201	Business Communication	3
-----	Digital Economy of Pakistan	3
MGT-404	Total Quality Management	3
-----	Online Consumer Behaviour	3
-----	Marketing Information System	3

5th Semester

Course	Course Title	Credit Hours
MGT-302	Entrepreneurship	3
-----	Electronic Integrated Marketing Communication	3
MKT-409	Social Media Marketing	3
HRM-201	Organizational Behaviour	3
-----	Marketing Research Methods	3
MKT-414	Brand Management	3

6th Semester

Course	Course Title	Credit Hours
MGT-309	Business Ethics	3
-----	Cyber Law and Policy	3
-----	Online Store Development	3
-----	Mobile Marketing	3
-----	Search Engine Optimization	3

7th Semester

Course	Course Title	Credit Hours
MKT-403	International Business Management	3
-----	Digital Sales Management	3
-----	Elective-I	3
-----	Elective-II	3
-----	Digital Marketing Project	3

8th Semester

Course	Course Title	Credit Hours
-----	Business Strategy	3
-----	Working in Virtual Teams	3
-----	Elective-III	3
-----	Elective-IV	3
-----	Digital Marketing Project-II	3

Department of Management Sciences

0274 BS Economics

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
CSC-101	Introduction to Computing	3
ENG-111	Freshman English-I	3
HUM-101	Islamic Studies	3
ECO-102	Principles of Micro Economics	3
MTS-118	Mathematics-I	3

2nd Semester

Course	Course Title	Credit Hours
ECO-103	Principles of Macro Economics	3
ENG-207	Freshman English-II	3
HUM-102	Pakistan Studies	3
MTS-119	Mathematics-II	3
-----	Elective-I (Non-Economics)	3
-----	Elective-II (Non-Economics)	3

3rd Semester

Course	Course Title	Credit Hours
ENG-209	Oral Communication	3
ECO-302	Development Economics	3
ECO-204	Intermediate Micro Economics	3
MTS-223	Statistics-I	3
-----	Elective-III (Non-Economics)	3
-----	Elective-IV (Non-Economics)	3

4th Semester

Course	Course Title	Credit Hours
ECO-205	Intermediate Macro Economics	3
MTS-224	Statistics-II	3
ENG-201	Business Communication	3
-----	Elective-V (Non-Economics)	3
-----	Elective-VI (Non-Economics)	3
ECO-2XX	World Economics History	3

5th Semester

Course	Course Title	Credit Hours
ECO-307	Micro Economics Analysis	3
ECO-308	Macro Economics Analysis	3
-----	Elective-VII (Non-Economics)	3
MTS-312	Mathematical Economics-I	3
ECO-301	Pakistan Economy	3
MGT-311	Research Methods	3

6th Semester

Course	Course Title	Credit Hours
MTS-313	Mathematical Economics-II	3
ECO-309	Econometrics-I	3
ECO-310	Economic Growth	3
-----	Elective-I (Economics)	3
ECO-311	Public Sector Economics	3

7th Semester

Course	Course Title	Credit Hours
MGT-420	International Trade Theory	3
ECO-403	Islamic Economics	3
ECO-404	Econometrics-II	3
-----	Elective-II (Economics)	3
-----	Elective-III (Economics)	3
MGT-499	Research Project	3

8th Semester

Course	Course Title	Credit Hours
-----	Elective-IV (Economics)	3
ECO-402	Monetary Economics	3
ECO-405	Entrepreneurial Economics	3
MGT-499	Research Project	3

A. Non Economics

Elective Courses for BS Economics

HUM-103	Sociology
HUM-105	Education
PSY-101	Psychology
HUM-204	History
HUM-202	Geography
HUM-401	Philosophy
MTS-204	Mathematics
MGT-307	Business Law
MGT-314	Business Administration

B. Economics

Elective Courses for BS Economics

ECO-204	Institutional Economics
ECO-205	Industrial Economics
ECO-206	Welfare Happiness Economics
ECO-207	Labor Economics
ECO-312	Population Economics
ECO-313	Comparative Economics System
ECO-314	Agricultural Economics
ECO-315	Regional Economics
ECO-316	Energy Economics
ECO-317	Political Economy

Department of Management Sciences

BS Commerce

Shift : Morning
Duration : 4 Years, 8 Semesters, 130 Credit Hours
Eligibility : Intermediate or equivalent qualification with at least 50% in any recognized board.

1st Semester

Course	Course Title	Credit Hours
ACC-213	Principals of Accounting	3
ECO-102	Micro Economics	3
ENG-111	Freshman English-I	3
HUM-101	Islamic Studies	3
MGT-102	Introduction to Business	3
MTS-104	Business Mathematics	3

2nd Semester

Course	Course Title	Credit Hours
ACC-203	Financial Accounting	3
CSC-101	Introduction to Computing	3
ECO-103	Macro Economics	3
ENG-207	Freshman English-II	3
HUM-102	Pakistan Studies	3
MTS-218	Business Statistics	3

3rd Semester

Course	Course Title	Credit Hours
ACC-210	Advanced Accounting-I	3
ECO-301	Economy of Pakistan	3
FIN-202	Introduction to Business Finance	3
FIN-203	Business Taxation	3
MGT-101	Principles of Management	3
MGT-307	Business Law	3

4th Semester

Course	Course Title	Credit Hours
ACC-206	Cost Accounting	3
ACC-302	Advanced Accounting-II	3
ENG-209	Oral Communication	3
FIN-205	Financial and Regulatory Institutions	3
ACC-205	Auditing	3
MKT-201	Principles of Marketing	3

5th Semester

Course	Course Title	Credit Hours
ECO-401	Managerial Economics	3
FIN-303	Financial Management	3
HRM-202	Human Resource Management	3
MGT-303	Research Methods in Business	3
MGT-306	E-Commerce	3
MTS-208	Inferential Statistics	3

6th Semester

Course	Course Title	Credit Hours
ACC-208	Managerial Accounting	3
HRM-302	Organizational Behavior	3
HUM-201	Logical and Critical Thinking	3
MGT-302	Entrepreneurship	3
MGT-406	Principles of Risk Management & Insurance	3
PSY-101	Fundamental of Sociology	3

7th Semester

Course	Course Title	Credit Hours
FIN-304	Corporate Governance	3
MGT-412	Operations Management	3
MKT-403	International Business	3
-----	Elective-I	3
-----	Elective-II	3

8th Semester

Course	Course Title	Credit Hours
-----	Elective-III	3
-----	Elective-IV	3



Department of Management Sciences

Elective Courses for Specialization in BS Commerce

A. Accounting and Finance

ACC-304	Corporate Accounting
FIN-203	Taxation
MGT-307	Company Law
ACC-205	Auditing
ACC-206	Cost Accounting
ACC-202	Money and Banking
ACC-403	Accounting Theory
ACC-305	Advanced Financial Accounting
ACC-306	Cost Management
ACC-307	Accounting Information Systems
ACC-308	Accounting for Specialized Concerns
FIN-305	Corporate Taxation
ACC-309	Seminar in Accounting and Finance
FIN-406	Corporate Finance
FIN-306	Mathematics of Finance
FIN-402	Capital Markets in Pakistan
FIN-404	Financial Statement Analysis
FIN-307	Risk Management in Banking Industry
FIN-403	Investment Management
FIN-410	Islamic Banking

B. Human Resource Management

HRM-401	Organizational Development
HRM-405	Compensation Management
HRM-409	Conflict & Management
HRM-303	Conflict & Negotiation Management
HRM-402	Human Resource Development
HRM-408	Change Management
HRM-404	HRM Training and Development
HRM-304	Organizational Theory
HRM-412	Case Studies in HRM
HRM-407	Staffing & Performance Management

C. Marketing Management

MKT-401	Strategic Marketing
MKT-402	Consumer Behavior
MKT-403	International Business
MKT-404	Advertising
MKT-202	Marketing of Services
MKT-406	Contemporary Issues in Marketing
MKT-407	New Product Management
MKT-409	Social Marketing
MKT-410	Export Marketing
MKT-412	Integrated Marketing Communication
MKT-413	International Marketing

*Number of Elective courses for specialization is not limited to the above mentioned list.



Department of Management Sciences

0314 Master of Business Administration

Shift : Weekend

Duration : 1.5 years, 3 semesters, 36 credit hours

Eligibility : BBA (4 years) or BBS (2 years) degree with CGPA 2.00/4.00 from any HEC recognized university.

1st Semester

Course	Course Title	Credit Hours
ACC-501	Managerial Accounting	3
FIN-520	Strategic Finance	3
MGT-502	Advanced Research Methodology	3
MGT-505	Advanced Strategic Management	3

2nd Semester

Course	Course Title	Credit Hours
MGT-503	Project Management	3
MKT-505	Strategic Marketing Management	3
-----	Elective-I (HRM/FIN/MKT)	3
-----	Elective-II (HRM/FIN/MKT)	3
MGT-599	Dissertation/Research Project-I	3

3rd Semester

Course	Course Title	Credit Hours
-----	Elective-III (HRM/FIN/MKT)	3
-----	Elective-IV (HRM/FIN/MKT)	3
-----	Dissertation/Research Project	3

0324 Master of Business Administration

Shift : Weekend

Duration : 2 years, 4 semesters, 66 credit hours

Eligibility : 16 years (**Non-Business Degree in any Discipline**) having at least 2 division with 45% or equivalent qualification with CGPA 2.00/4.00 from any HEC recognized University

1st Semester

Course	Course Title	Credit Hours
ECO-503	Principles of Management	3
MGT-521	Business Mathematics	3
MTS-521	Financial Accounting	3
ACC-504	Business Law	3
MGT-518	Human Resource Management	3
HRM-523	Principle of Marketing	3

2nd Semester

Course	Course Title	Credit Hours
ECO-502	Micro Economics	3
ENG-524	Business Communication	3
MTS-520	Business Statistics	3
FIN-527	Business Finance	3
MKT-516	Marketing Management	3
MGT-502	Advance Research Methods	3

3rd Semester

Course	Course Title	Credit Hours
ACC-501	Managerial Accounting	3
MGT-512	Macro Economics	3
MGT-505	Strategic Management	3
-----	Elective-I	3
-----	Elective-II	3
MGT-599	Dissertation / Research Project	3

4th Semester

Course	Course Title	Credit Hours
-----	Entrepreneurship	3
-----	Organizational Behavior and Leadership	3
MGT-599	Production & Operation Management	3
HRM-524	Elective-III	3
-----	Elective-IV	3
MGT-599	Dissertation / Research Project	3

Department of Management Sciences

Elective Courses For Specialization:

A. HRM

- HRM-501 Motivation
- HRM-502 Applied Research in HRM
- HRM-503 Strategic Human Resource Management
- HRM-504 Organizational Development
- HRM-505 Conflict and Negotiation Management
- HRM-506 Micro Organizational Dynamics
- HRM-507 Training and Development
- HRM-508 Compensation Management
- HRM-509 Staffing and Performance Management
- HRM-510 Change Management
- HRM-511 Organizational Theory Design & Change
- HRM-512 Contemporary Issues in HRM
- HRM-513 Conflict Management
- HRM-514 International Human Resource Management
- HRM-515 Case Studies in HRM

B. Finance

- FIN-501 International Trade, Finance & Foreign Exchange
- FIN-502 Credit Management
- FIN-504 Financial Statement Analysis
- FIN-505 Corporate Finance
- FIN-506 Advance Investment & Portfolio Management
- FIN-507 Financial Risk Management
- FIN-508 Micro Business & Islamic Finance
- FIN-509 Corporate Governance
- FIN-510 Accounting & Auditing Standards for Islamic Banks
- FIN-511 Financial Institutions & Capital Markets
- FIN-512 Strategic Financial Management
- FIN-513 Theory of Finance
- FIN-514 Merger & Acquisitions
- FIN-515 Case Studies in Finance
- FIN-516 Islamic Banking & Takaful
- FIN-517 Income Tax Law

C. Marketing

- MKT-501 Brand Management
- MKT-502 Marketing Research
- MKT-503 Integrated Marketing Communication
- MKT-504 Marketing of Services
- MKT-506 Advance Marketing Strategies
- MKT-507 International Marketing
- MKT-508 Strategic Brand Management
- MKT-509 New Product Management
- MKT-510 Contemporary Issues in Marketing
- MKT-511 Advertising
- MKT-512 Social Marketing

*Number of Elective courses for specialization are not limited to the above mentioned list.

D. Project Management

- Project Risk Management
- Project Human Resource Management
- Project Monitoring & Evaluation
- Advance Project Management
- Public Sector Project Management
- Disaster Management
- Project Procurement
- Government Projects (PC1-5)
- Supply Chain Management
- Operations Research
- Environmental Assessment
- Financial Decision Analysis
- Software Project Management
- Project Change Management

E. Logistics and Supply Chain Management

- Supply Chain Management
- Logistics and Transportation
- Inventory and Warehouse Management
- Operations Management
- Operations Research
- Supply Chain Strategy
- Procurement Management
- Supply Chain Accounting and Finance
- MIS and E-Business
- Case Studies in Logistics and Supply Chain Management
- Freight Transportation
- Humanitarian Logistics

F. Healthcare Management

- Healthcare Management
- Supply Chain Management
- Logistics Management
- Leadership and Team Management
- Operations Management
- Medical Devices and Diagnostics
- Negotiation and Communication
- Healthcare Financial Management

G. Pharmaceutical Management

- Pharmaceutical Selling
- Intro to Pharma Regulatory Affairs
- Pharma Business Strategy
- Supply Chain Management
- Medical Devices and Diagnostic
- Negotiation and Communication

H. Hospitality and Tourism Management

- Public Relations
- Event Management
- Tourism and Hospitality Laws and Ethics
- Hospitality Infrastructure
- Issues in Tourism and Hospitality Management
- Tourism Policies
- Hospitality Management
- Leadership and Team Management
- Restaurant Management
- Sustainable Tourism
- Conflict and Negotiation Management

Department of Management Sciences

0318 Master of Philosophy in Economics

Shift : Weekend

Duration : 2 Years, 4 Semesters, 30 Credit Hours

Eligibility : M.Sc/MA in Economics / BS Economics with 16 years of education with at least 50% marks or CGPA 2.50 / 4.00 from any HEC recognized university and GAT test obtaining at least 50% marks / university test with 50% score.

1st Semester

Course	Course Title	Credit Hours
ECO-603	Advanced Micro Economics	3
ECO-604	Econometrics-I	3
-----	Elective-I	3

2nd Semester

Course	Course Title	Credit Hours
ECO-606	Econometrics-II	3
ECO-607	Advanced Macro Economics	3
-----	Elective-II	3
-----	Elective-III	3

3rd Semester

Course	Course Title	Credit Hours
-----	Elective-IV	3
ECO-699	Research Thesis	3

4th Semester

Course	Course Title	Credit Hours
ECO-699	Research Thesis	3

Elective Courses for M.Phil Economics

ECO-605	Economics of Natural Resources & Environment
HRM-613	Human Resource Development & Management
FIN-608	Project Analysis & Investment Decision Making
ECO-601	Advanced Managerial Economics
ECO-614	Topics in Public Sector Economics
ECO-610	Issues in Agricultural Economics
ECO-613	Public Sector Economics
ECO-609	Issues in Islamic Economics
MGT-607	Research Methodology



Department of Management Sciences

0308 Master of Science in Management Sciences

Specialization: Human Resource Management / Finance / Marketing

Shift : Weekend
Duration : 2 Years, 4 Semesters, 30 Credit Hours
Eligibility : 4 years (BBA/BBIT), B.Com (4 years), MBA/MPA (16 years), MA/M.Sc. Economics/M.Com/ ICMA/CA or equivalent qualification with at least 50% marks or CGPA 2.50/4.00 from any HEC recognized university. GAT test obtaining at least 50% marks / university test with 50% score.

1st Semester

Course	Course Title	Credit Hours
MGT-601	Advance Research Methods	3
MGT-603	Strategic Management	3
MGT-608	Contemporary Issues in Management	3

2nd Semester

Course	Course Title	Credit Hours
MKT-602	Strategic Marketing	3
-----	Elective-I (HRM/FIN/MKT)	3
-----	Elective-II (HRM/FIN/MKT)	3

3rd Semester

Course	Course Title	Credit Hours
-----	Elective-III (HRM/FIN/MKT)	3
-----	Elective-IV (HRM/FIN/MKT)	3
MGT-699	Research Thesis	3

4th Semester

Course	Course Title	Credit Hours
MGT-699	Research Thesis	3

Elective Courses For Specialization

A. HRM

HRM-601	Compensation Management
HRM-602	Training & Development
HRM-603	Organizational Development & Change Management
HRM-604	Recruitment & Selection
HRM-605	Conflict & Negotiation
HRM-606	Organizational Development
HRM-607	Strategic Human Resource Management
HRM-608	Contemporary Issues in HRM
HRM-609	Workforce Diversity Management
HRM-610	International HRM
HRM-611	Leadership & Motivation Techniques
HRM-612	Case Studies in HRM
HRM-613	Human Resource Management & Development
HRM-614	Legal & Ethical Environment of Business

B. Finance

FIN-601	Investment & Portfolio Management
FIN-602	Advanced Financial Management
FIN-603	Islamic Financial System
FIN-605	Corporate Governance
FIN-606	International Banking Systems
FIN-607	International Finance
FIN-608	Project Analysis & Investment Decision
FIN-609	Corporate Finance
FIN-610	Merger & Acquisition
FIN-611	Case Studies in Finance
FIN-612	Financial Risk Management

C. Marketing

MKT-601	Advanced Marketing Strategies
MKT-603	Social Marketing
MKT-604	Brand Management
MKT-605	Strategic Marketing Management
MKT-606	Marketing of Services
MKT-607	International Marketing
MKT-608	Marketing Research
MKT-609	Integrated Marketing Communication
MKT-610	Export Marketing
MKT-611	Digital Marketing

Note:

Specialization subjects can be offered other than the given list, subject to the current market needs and availability of faculty member.



Department of Management Sciences

0408 Ph.D Management Sciences

Shift : Weekend

Duration : 3 Years, 6 Semesters, 48 Credit Hours

Eligibility : MS-MS / M.Phil degree from an HEC recognized university with CGPA of 3.00 / 4.00 or 60% marks equivalent degree (foreign or national) in the relevant field is required.

A valid GAT subject test with minimum of 60% score or ETS-GRE (Subject) passed with 50% score is mandatory for admission.

In case of course based MS the applicant should have published a research paper in HEC X or Y category Journal as principal author.

1st Semester

Course	Course Title	Credit Hours
MGT-701	Current Issues in Management	3
MGT-702	Quantitative Research Techniques	3
MGT-703	Qualitative Research Techniques	3

2nd Semester

Course	Course Title	Credit Hours
-----	Elective-I	3
-----	(Marketing/ Finance/ HRM)	
-----	Elective-II	3
-----	(Marketing/ Finance/ HRM)	
-----	Elective-III	3
-----	(Marketing/ Finance/ HRM)	

3rd to 6th Semester

Course	Course Title	Credit Hours
MGT-799	Ph.D Thesis	30

Elective Courses For Specialization

A HRM

HRM-701	Compensation Management
HRM-702	Training & Development
HRM-703	Organizational Development & Change Management
HRM-704	Recruitment & Selection
HRM-705	Conflict & Negotiation
HRM-706	Organizational Development
HRM-707	Strategic Human Resource Management
HRM-708	Contemporary Issues in HRM
HRM-709	Workforce Diversity Management
HRM-710	International HRM
HRM-711	Leadership & Motivation Techniques
HRM-712	Case Studies in HRM
HRM-713	Human Resource Information Systems
HRM-714	Legal & Ethical Environment of Business

B. Finance

FIN-701	Investment & Portfolio Management
FIN-702	Advanced Financial Management
FIN-703	Islamic Financial System
FIN-705	Corporate Governance
FIN-706	International Banking Systems
FIN-707	International Finance
FIN-708	Project Analysis & Investment Decision
FIN-709	Corporate Finance
FIN-710	Merger & Acquisition
FIN-711	Case Studies in Finance
FIN-712	Financial Risk Management

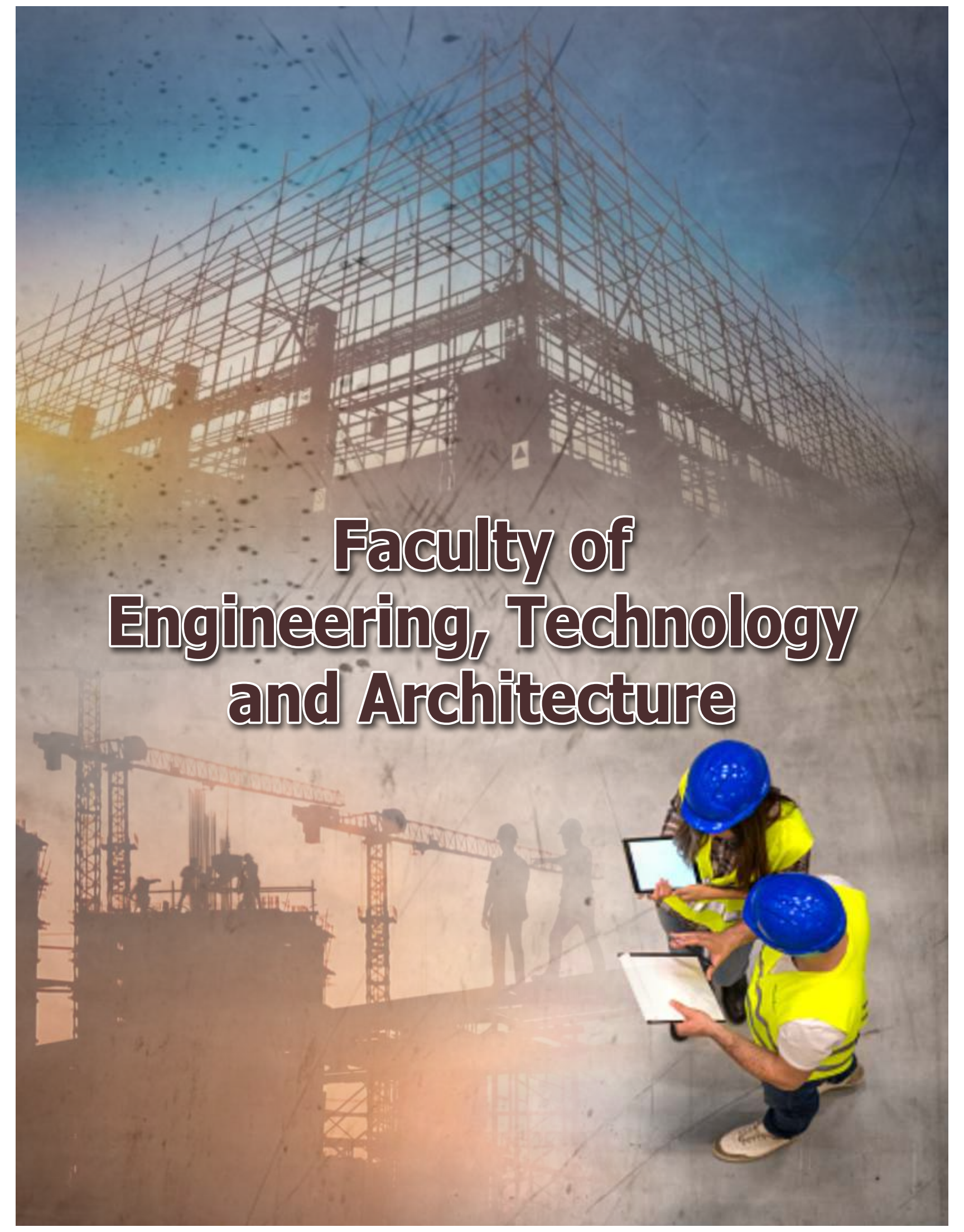
C. Marketing

MKT-701	Advanced Marketing Strategies
MKT-702	Social Marketing
MKT-703	Brand Management
MKT-704	Strategic Marketing Management
MKT-705	Marketing of Services
MKT-706	International Marketing
MKT-707	Marketing Research
MKT-708	Integrated Marketing Communication
MKT-709	Export Marketing
MKT-710	Digital Marketing

Note:

Specialization subjects can be offered other than the given list, subject to the current market needs and availability of faculty member.





Faculty of Engineering, Technology and Architecture

Department of **Civil Engineering**

B.Sc. Civil Engineering



Faculty Members of Civil Engineering



Engr. Dr. Hafiz Asfandiyar Ahmed
Assistant Professor (Head of Department)

Ph.D. Civil Engineering (Structural Engineering) UET, Peshawar
M.Sc. Civil Engineering (Structural Engineering) UET, Peshawar
B.Sc. Civil Engineering UET, Peshawar

Engr. Dr. Muhammad Mahboob Alam, Associate Professor
Ph.D Civil Engineering (Water Resources)
M.Sc. Civil Engineering (Water Resources)
University of Stuttgart, Germany

Engr. Aziz Ahmad, Assistant Professor
MS Civil Engineering (Water Resources)
University of Engineering & Technology, Peshawar

Engr. Syed Bilal Ahmed Shah, Lecturer/OBE Coordinator
M.Sc. Civil Engineering (Structural Engineering) MCE, Rislapur
B.Sc. Civil Engineering SUIT, Peshawar.

Engr. Johar Hafeez, Lecturer
MS Civil Engineering (Structural Engineering)
University of Engineering & Technology, Peshawar

Engr. Waleed Ahmad, Lecturer
MS Civil Engineering (Water Resources)
University of Engineering & Technology, Peshawar

Engr. Kamran Khan, Lecturer
M.Sc. Civil Engineering (Transportation Engineering)
Abasyn University, Peshawar
B.Sc. Civil Engineering CUSIT, Peshawar

Engr. Muhammad Mashhood Khan, Lecturer
MS Civil Engineering (Construction Management)
CECOS University, Peshawar

Engr. Inam Ullah, Lab Engineer
M.Sc. Civil Engineering MCE, Rislapur
B.Sc. Civil Engineering CUSIT, Peshawar

Engr. Syed Mashood Hussain Shah, Lab Engineer
M.Sc. Civil Engineering (In Progress) MCE, Rislapur
B.Sc. Civil Engineering, CUSIT Peshawar

Engr. Rozi Khan, Lab Engineer
B.Sc, Civil Engineering, Sarhad University, Peshawar

Engr. Hizb Ullah Khan, Lab Engineer
B.Sc. Civil Engineering CUSIT, Peshawar

Engr. Muhammad Huzaifa, Lab Engineer
B.Sc. Civil Engineering CECOS University, Peshawar

Engr. Muhammad Bilal, Lab Engineer
B.Sc. Civil Engineering CUSIT, Peshawar

Engr. Asim Ayaz, Lab Engineer
B.Sc. Civil Engineering UET, Jalozi

Engr. Asmat Ullah, Lab Engineer
B.Sc. Civil Engineering, UET, Peshawar

Department of Civil Engineering

Introduction

Department of Civil Engineering was established in 2014 in lower case the short and long term requirements of industrial/commercial organizations of Pakistan for graduates in Civil Engineering. Subsequent to the decision of the Board of Governors for starting the discipline of Civil Engineering, university improved its infrastructure in accordance with the Pakistan Engineering Council (PEC) guidelines and developed purpose-built classrooms, laboratories and allied facilities.

The 86th EA & QEC/EAB meeting of Pakistan Engineering Council held on March 29-30 and April 8, 2018 at Islamabad, granted accreditation to the first batch of Civil Engineers. The department is now in the process of applying for change of scope (increased intake) to the accreditation body.

Outcome Based Education(OBE) Model in Civil Engineering

To enhance the quality of education and learning process, Department of Civil Engineering, CUSIT, has adopted OBE (Outcome Based Education) model of Washington Accord, USA. Student's assessment is based on the achievement of specified goals (outcomes). This model focuses on the outcomes of learning, rather than traditional teaching system.

Vision & Mission of Department of Civil Engineering

The Vision of the department is to provide State-of-the-Art education in Civil Engineering that enables new generation of Civil Engineers to meet the challenges of the future, promote a sense of scholarship, leadership and service to the mankind through creativity and innovations.

The Mission of the CE department can be summarized as

"To produce graduates equipped with education, in-depth knowledge and relevant soft and technical skills to develop effective socio-economical engineering solutions for meeting the present and future challenges."

Program Educational Objectives (PEOs):

The graduates of Civil Engineering Program after 4-5 years of graduation will:

PEO-1: Successfully practice Civil Engineering at the appropriate level.

PEO-2: Demonstrate necessary background knowledge and communication skills to work professionally in one or more relevant areas of Civil Engineering.

PEO-3: Participate in societal activities with recommended social and ethical values.

PEO-4: Demonstrate pursuit of continued lifelong learning with the prospect of attaining sustainable goals.

Program Learning Outcomes (PLOs):

The PLOs define by Washington accord will be customized to the needs of Civil Engineering Programme.

PLO-1: Engineering Knowledge: An ability to apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PLO-2: Problem Analysis: An ability to identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PLO-3: Design/Development of Solutions: An ability to design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PLO-4: Investigation: An ability to investigate complex engineering problems in a methodical way including literature survey, design and conduct of experiments, analysis and interpretation of experimental data, and synthesis of information to derive valid conclusions.

Department of Civil Engineering

PLO-5: Modern Tool Usage: An ability to create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling, to complex engineering activities, with an understanding of limitations.

PLO-6: The Engineer and Society: An ability to apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice and solution to complex engineering problems.

PLO-7: Environment and Sustainability: An ability to understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge, and need for sustainable development.

PLO-8: Ethics: Apply ethical principles and commit to professional ethics, responsibilities, and norms of engineering practice.

PLO-9: Individual and Team Work: An ability to work effectively, as an individual or in a team, on multifaceted and /or multi disciplinary settings.

PLO-10: Communication: An ability to communicate effectively, orally as well as in writing, on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PLO-11: Project Management: An ability to demonstrate management skills and apply engineering principles to one's own work, as a member and/or leader in a team, to manage projects in a multi disciplinary environment.

PLO-12: Lifelong Learning: An ability to recognize importance of, and pursue life long learning in the broader context of innovation and technological developments.

Scheme of Studies

Courses offered to the students are selected by the Department from the given list of HEC/PEC approved courses and approved by statutory bodies of the university. The Courses work comprise of theory courses, laboratory courses, survey camp and final year project.

During the 7th and 8th semesters, students carry out group projects and submit project reports. The project comprises of 3 credit hours in each semester. Grade "I" (Incomplete) is awarded for the project in 7th semester, which is converted into earned letter grade at the end of 8th semester, based on student's performance in both semesters.

Further more, students are also taken out of campus for survey camp to apply the knowledge of survey in field.



Department of Civil Engineering

0252 B.Sc. Civil Engineering

Shift : Morning

Duration : 4 Years, 8 Semesters, 136 Credit Hours

Eligibility : F.Sc. (Pre-Engineering) / DAE (Civil) or equivalent with at least 60% marks form any recognized Board and Entrance test conducted by Educational Testing & Evaluation Agency (ETEA)

1st Semester

Course	Course Title	Credit Hours
CE-111	Civil Engineering Materials	2
CE-111(L)	Civil Engineering Materials	1
CE-112	Basic Electro-Mechanical Engg.	2
CE-112(L)	Basic Electro-Mechanical Engg.	1
CE-113	Engineering Drawing	2
CE-113(L)	Engineering Drawing	1
ENG-115	English Language skills	2
MTS-117	Applied Calculus/Maths-I	3
HUM-101	Islamic Studies*	2

2nd Semester

Course	Course Title	Credit Hours
CE-124	Properties of Concrete	2
CE-124 (L)	Properties of Concrete	1
CE-123	Engineering Mechanics	3
CE-123 (L)	Engineering Mechanics	1
CSC-220	Computer Applications in Civil Engg.	2
CSC-220 (L)	Computer Applications in Civil Engg.	1
HUM-102	Pakistan Studies	2
MTS-116	Differential Equation/Math-II	3
HUM-108	Professional Ethics	2

3rd Semester

Course	Course Title	Credit Hours
CE-214	Engineering Surveying-I	2
CE-214 (L)	Engineering Surveying-I	1
CE-212	Mechanics of Solids-I	3
CE-212 (L)	Mechanics of Solids-I	1
CE-224	Construction Engineering	2
CE-424	Computer Aided Civil Engg. Drawing & Graphics	2
CE-424 (L)	Computer Aided Civil Engg. Drawing & Graphics	1
MTS-305	Numerical Analysis/Maths-III	3
MTS-307	Probability and Statistics/Maths-IV	3

4th Semester

Course	Course Title	Credit Hours
CE-221	Mechanics of Solids-II	3
CE-221 (L)	Mechanics of Solids-II	1
CE-222	Structural Analysis-I	3
CE-223	Fluid Mechanics-I	3
CE-223 (L)	Fluid Mechanics-I	1
CE-225	Engineering Surveying-II	2
CE-225 (L)	Engineering Surveying-II	1
CE-213	Architecture & Town Planning	3

5th Semester

Course	Course Title	Credit Hours
CE-311	Fluid Mechanics-II	3
CE-311 (L)	Fluid Mechanics-II	1
CE-312	Structural Analysis-II	3
CE-316	Geotechnical Engineering-I	3
CE-316 (L)	Geotechnical Engineering-I	1
CE-314	Environmental Engineering-I	2
CE-314 (L)	Environmental Engineering-I	1
CE-421	Geoinformatics	1
CE-421 (L)	Geoinformatics	1
CE-317	Engineering Geology	2

6th Semester

Course	Course Title	Credit Hours
CE-316	Geotechnical Engineering-II	3
CE-316 (L)	Geotechnical Engineering-II	1
CE-327	Transportation Engineering-I	3
CE-324	Plain & Reinforced Concrete-I	3
CE-324 (L)	Plain & Reinforced Concrete-I	1
CE-325	Environmental Engineering-II	2
ECO-303	Engineering Economics	2
ENG-201	Business Communication	2



Department of Civil Engineering

7th Semester

Course	Course Title	Credit Hours
CE-411	Plain & Reinforced Concrete-II	3
CE-411(L)	Plain & Reinforced Concrete-II	1
CE-412	Quantity Surveying & Estimation	2
CE-412 (L)	Quantity Surveying & Estimation	1
CE-415	Transportation Engineering-II	3
CE-415 (L)	Transportation Engineering-II	1
CE-323	Hydrology & Water Resources Management	2
CE-323 (L)	Hydrology & Water Resources Management	1
CE-499	Civil Engineering Project	3
ENG-102	Technical Report Writing	1

8th Semester

Course	Course Title	Credit Hours
CE-422	Steel Structures	3
CE-423	Hydraulics & Irrigation Engineering	3
CE-423 (L)	Hydraulics & Irrigation Engineering	1
CE-425	Fundamentals of Earthquake Engineering	2
CE-315	Disaster Management	1
CE-414	Construction Management	2
CE-414 (L)	Construction Management	1
CE-499	Civil Engineering Project	3
MGT-302	Entrepreneurship	2

Note: Pre-requisite for the award of degree:

The students of B.Sc Civil Engineering programme shall complete 6 to 8 weeks Internship & Survey in an organization acceptable to the university and shall get an internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship.

Hence, to earn the bachelor's degree, a student must have an internship certificate and a survey camp certificate.

Also as per the criteria of Outcome Based Education System, a student must also have to qualify all the prescribed program learning outcomes of PEC.

*The information provided in this section is subject to change according to the recommendations of approved statutory bodies of CUSIT.



Department of Civil Engineering

Civil Engineering Survey Camp



Department of Civil Engineering

Civil Engineering Survey Camp



Department of **Electrical Engineering**

B.Sc. Electrical Engineering
MS Electrical Engineering
Ph.D Electrical Engineering



Faculty Members of Electrical Engineering



Engr. Dr. Shaheer Shaida Durrani
(Head of Department)

Ph.D Electrical Engineering (Power Electronics)
Universiti Malaysia, Pahang, Malaysia

Prof. Dr. Sahibzada Fayaz Noor

Professor
Ph.D (Electrical Engineering)
University of Strathclyde Glasgow, UK

Engr. Dr. Muhammad Hilal Khan (Study Leave)

Assistant Professor
Ph.D (Electrical Engineering), Power and Energy
CECOS University of I.T, and Emerging Sciences,
Peshawar

Engr. Ambar Lal

Assistant Professor
MS (Electrical Engineering) UET, Peshawar
B.Sc (Electrical Engineering) UET, Peshawar

Engr. Sumayya Imran

Assistant Professor
MS (Electrical Engineering) UET, Peshawar
B.Sc (Electrical Engineering) UET, Peshawar

Engr. Muhammad Fayyaz Khan (Study Leave)

Lecturer
MS (Electrical Engineering) UET, Peshawar
B.Sc (Telecommunication Engineering) UET, Peshawar

Engr. Mubashir Javed

Lecturer (Coordinator)
Ph.D (Electrical Engineering) in progress
MS (Electrical Engineering) CUSIT, Peshawar
B.Sc (Electrical Engineering) CUSIT, Peshawar

Engr. Imranzeb Durrani

Lecturer (OBE Coordinator)
MS (Electrical Engineering) LUMS, Lahore
BS (Electrical Engineering) FAST, Peshawar

Engr. Bahadar Shah

Lecturer
Ph.D (Electrical Engineering) in progress
MS (Electrical Engineering) CUSIT, Peshawar
B.Sc (Telecommunication Engineering) CUSIT, Peshawar

Engr. Fazal e Subhan (Study Leave)

Lecturer
MS (Electrical Engineering) USPCASE, UET, Peshawar
B.Sc (Electrical Engineering) UET, Peshawar

Engr. Burhan Ud Din

Lecturer
MS (Electrical Engineering) FAST-NUCES, Peshawar
B.Sc (Electrical Engineering) CUSIT, Peshawar

Engr. Ahsan Zafar (Study Leave)

Lab Engineer
MS (Electrical Engineering) Comsats Islamabad
B.Sc (Electrical Engineering) UET, Peshawar

Engr. Sohail Muhammad

Lab Engineer
MS (Electrical Engineering) CUSIT, Peshawar
B.Sc (Electrical Engineering) UST, Bannu

Engr. Farhan Mukhtiar

Lab Engineer
B.Sc (Electrical Engineering) CUSIT, Peshawar

Engr. Maqbool Elahi

Lab Engineer / Student Academic Counsellor

Mr. Muhammad Tariq

Lab Technician
DAE (Radio Technology)

Mr. Atif Hussain

Lab Technician
B.Sc. (Electrical Engineering Technology)
DAE (Electrical)

Mr. Usman Ghani

Lab Assistant
B.Sc. (Computer Science),
Bacha Khan University, Charsadda
DAE (Electrical)

Department of Electrical Engineering

Introduction

Department of Electrical Engineering was established in 2008 in order to meet the short and long term requirements of industrial/ commercial organizations of Pakistan for graduates in Electrical Engineering. Subsequent to the decision of the Board of Governors for starting the discipline of Electrical Engineering, University improved its infrastructure in accordance with the Pakistan Engineering Council (PEC) guidelines and developed purpose built Classrooms, Laboratories and allied facilities.

Electrical Engineering is one of the oldest fields of engineering. Initially, Electrical Engineering was confined to Power Generation, Transmission lines distribution and Telephony. However, due to advancement and rapid growth in technology, there is tremendous expansion in various areas of Electrical Engineering.

This expansion is so large that each area is now recognized as independent discipline. These include Telecommunication Engineering, Electronic Engineering, Power Engineering, Computer Engineering, Control System Engineering and many more. However, Electrical Engineering is still considered as parent discipline to these areas.

The department has up-to-date library, stocked with the latest reading materials and text-books for the use of students and the faculty members. The department arranges seminars and workshops on various areas of Electrical Engineering. These seminars are delivered by faculty members and prominent scholars. Before the commencement of the program, Pakistan Engineering Council inspected the University's facilities under its Zero Visit's and gave prior permission to start degree program in Electrical Engineering. PEC through its visits accredited eleven batches of the University i.e. 2008, 2009, 2010, 2011, 2012, 2013, 2014 , 2015, 2016 , 2017 & 2018 so far. The Electrical Engineering program at CUSIT is recognized and level-II accreditation (substantially equivalent to Washington accord) by Pakistan Engineering Council.



Department of Electrical Engineering

Department of Electrical Engineering offers the following degree programs:

- B.Sc. Electrical Engineering
- MS Electrical Engineering
- Ph.D. Electrical Engineering

B.Sc. Electrical Engineering

Mission Statement

To produce graduates equipped with education, in-depth knowledge and relevant soft and technical skills to develop effective socio-economical engineering solutions for meeting the present and future challenges.



Program Educational Outcomes (PEOs)

PEO – 1: Successfully practice Engineering knowledge and skills with professional integrity.

PEO – 2: Demonstrate technical and communication skills, as an individual or a team member, to provide solutions to contemporary problems in or more relevant areas of Electrical Engineering.

PEO – 3: Participate in societal activities with ethical, social and professional values in pursual of continued learning.

Program Learning Outcomes (PLOs)

PLO-1: Engineering Knowledge: An ability to apply knowledge of mathematics, science, engineering fundamentals and engineering specialization to the solution of complex electrical engineering problems.

PLO-2: Problem Analysis: An ability to identify, formulate, research literature, and analyze complex electrical engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PLO-3: Design/Development of Solutions: An ability to design solutions for complex electrical engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PLO-4: Investigation: To investigate complex electrical engineering problems in a methodical way including literature survey, design and conduct of experiments, analysis and interpretation of experimental data, and synthesis of information to derive valid conclusions.

PLO-5: Modern Tool Usage: To create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling, to complex electrical engineering activities, with an understanding of the limitations.

PLO-6: The Engineer and Society: To apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice and solution to the complex electrical engineering problems.

PLO-7: Environment and Sustain ability: To understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge and need for sustainable development.

PLO-8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

PLO-9: Individual and Team Work: To work effectively, as an individual or in a team, on multifaceted and /or multi disciplinary settings.

PLO-10: Communication: To communicate effectively, orally as well as in writing, on complex electrical engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Department of Electrical Engineering

PLO-11: Project Management: An ability to demonstrate management skills and apply engineering principles to one's own work, as a member and/or leader in a team, to manage projects in a multi disciplinary environment.

PLO-12: Lifelong Learning: An ability to recognize importance and pursue life long learning in the broader context of innovation and technological developments.

Undergraduate Program

The undergraduate program offers a 4-years degree in "Bachelor of Science in Electrical Engineering".

The degree program is covered with State-of-the Art courses designed by the Pakistan Engineering Council (PEC) and in accordance with the Higher Education Commission (HEC) guidelines. The electrical engineering program at CUSIT is recognized and level-II accredited (substantially equivalent to Washington accord) by Pakistan Engineering Council. Laboratory work is done with theoretical courses to illustrate important concepts and provide practical demonstration to students. The laboratories are well equipped with the related courses requirements.

The Bachelor's degree curriculum provides exposure to a wide spectrum of basic knowledge in Physics, Mathematics and Computer, followed by an intensive coverage of the principles of Electrical Engineering, both in class-rooms as well as in the laboratories.

Scheme of Studies

Course work for earning degree comprises theory courses, laboratory courses and final year project. Courses offered to the students are selected by the department from the given list of HEC/ PEC approved courses.

During the 7th and 8th semesters, students carry out group projects and write project reports. The project comprises of 3 credit hours (9 contact hours per week) in each semester. Grade "I" incomplete is awarded for the project in the 7th semester, which is converted into the earned letter grade at the end of 8th semester, based on students' performance in both semesters.



Department of Electrical Engineering

0260 B.Sc. Electrical Engineering

Shift : Morning

Duration : 4 Years, 8 Semesters, 133 Credit Hours

Eligibility : F.Sc. (Pre- Engineering)/ DAE (Electrical) or equivalent with at least 60% marks from any recognized Board and Entrance Test conducted by the Educational Testing & Evaluation Agency (ETEA).

1st Semester

Course	Course Title	Credit Hours
CSC-101	Intro to Computing	1
CSC-101(L)	Intro to Computing	1
EE-103(L)	Workshop Practice	1
ENG-116	Functional English	2
HUM-101	Islamic Studies/ Ethics/ Theology	2
MTS-122	Calculus and Analytical Geometry	3
PHY-102	Applied Physics	3
PHY-102(L)	Applied Physics	1

2nd Semester

Course	Course Title	Credit Hours
CSC-115	Programming Fundamentals	2
CSC-115(L)	Programming Fundamentals	1
EE-101	Linear Circuit Analysis	3
EE-101(L)	Linear Circuit Analysis	1
ENG-101	Communication Skills	2
HUM-102	Pakistan Studies	2
MCE-102(L)	Engineering Drawing	1
MTS-123	Linear Algebra and Differential Equation	3

3rd Semester

Course	Course Title	Credit Hours
CSC-201	Digital Logic Design	3
CSC-201(L)	Digital Logic Design	1
EE-204	Electrical Network Analysis	3
EE-204(L)	Electrical Network Analysis	1
EE-209	Electronic Devices and Circuits	3
EE-209(L)	Electronic Devices and Circuits	1
MTS-215	Complex Variable & Transforms	3
MCE-201	IDEA-I (Thermodynamics)	3

4th Semester

Course	Course Title	Credit Hours
EE-302	Signals and Systems	3
EE-302(L)	Signals and Systems	1
CSC-216	Data Structure & Algorithms	3
CSC-216(L)	Data Structure & Algorithms	1
MTS-216	Probability Methods for Engineers	3
EE-xxx	Elective-I	3
EE-xxx(L)	Elective-I	1
HUM-108	Professional Ethics	3

5th Semester

Course	Course Title	Credit Hours
EE-206	Electromagnetic Field Theory	3
EE-301	Electrical Machines	3
EE-301(L)	Electrical Machines	1
EE-304	Communication Systems	3
EE-304(L)	Communication Systems	1
MTS-203	Numerical Analysis	3
CSC-327	IDEA-II (Computer Organization and Architecture)	3

6th Semester

Course	Course Title	Credit Hours
EE-313	Introduction to Embedded System	3
EE-313(L)	Introduction to Embedded System	1
EE-404	Linear Control System	3
EE-404(L)	Linear Control System	1
EE-4XX	Breadth Core-I	3
EE-4XX(L)	Breadth Core-I	1
EE-4XX	Breadth Core-II	3
EE-4XX(L)	Breadth Core-II	1
ENG-102	Technical Report Writing	2

7th Semester

Course	Course Title	Credit Hours
EE-4XX	Elective-II	3
EE-4XX(L)	Elective-II	1
EE-4XX	Elective-III	3
EE-4XX(L)	Elective-III	1
MGT-311	Entrepreneurship Skills	3
MGT-301	Project Management	3
EE-499	Final Year Project Phase-I	3

8th Semester

Course	Course Title	Credit Hours
EE-4XX	Elective-IV	3
EE-4XX(L)	Elective-IV	1
EE-4XX	Elective-V	3
EE-412	Renewable Energy System	3
ECO-303	Engineering Economics	3
EE-499	Final Year Project Phase-II	3

Department of Electrical Engineering

List of courses under breadth core and elective options for specialization of the HEC's course Framework for Engineering.

Breadth Core Courses for Electrical Engineering

EE-407 Power System Analysis

EE-410 Power Transmission & Distribution

Elective Courses for Electrical Engineering

EE-205 Instrumentation & Measurement

EE-408 Advanced Electrical Machines

EE-309 Power Electronics

EE-312 Power System Protection

EE-411 Power Generation and Utilization

Note: Pre-requisite for the award of degree

The B.Sc Electrical Engineering program students shall complete 6 to 8 weeks Internship in an organization acceptable to the university and shall get an internship letter/certificate from the concerned organization. The students who are already in service shall be exempted from internship.



Department of Electrical Engineering

0320 MS Electrical Engineering

Shift : Afternoon

Duration : 2 Years, 4 Semsters, 30 Credit Hours

Eligibility : B.Sc. Electrical Engineering/ B.Tech. (Electrical)/ B.Sc. Electrical Engineering Technology (4 years) or equivalent qualification with at least CGPA 2.50/4.00 or equivalent from any HEC recognized University and qualify University test.

The Master's degree courses are aimed at bringing the students abreast with the most recent developments in their fields of specialization. These courses are offered for both part-time and full-time students.

At postgraduate level the department of Electrical Engineering offers MS Program in Electrical Engineering. The areas of active research includes Electronic Devices and Materials, Intelligent Systems, Microelectronics and Computer Systems, Nano-Engineering, Photonics Systems, Systems and Control, Telecommunications and Signal Processing. This gives graduates an unparalleled advantage in both technical skills and intellectual discipline to become leaders in overcoming the challenges of modern technological advancements.

1st Semester

Course	Course Title	Credit Hours
EE-6XX	Core Course-I	3
EE-6XX	Core Course-II	3
EE-6XX	Elective-I	3

2nd Semester

Course	Course Title	Credit Hours
EE-6XX	Core Course-III	3
EE-6XX	Core Course-IV	3
EE-6XX	Elective-II	3

3rd Semester

Course	Course Title	Credit Hours
EE-699	Research Thesis	3
EE-6XX	Elective-III	3
EE-6XX	Elective-IV	3

4th Semester

Course	Course Title	Credit Hours
EE-699	Research Thesis	3
EE-6XX	Elective-V**	3
EE-6XX	Elective-VI**	3

Core Courses for MS Electrical Engineering

EE-614	Linear System Theory
EE-619	Renewable Energy System
EE-602	Stochastic Processes
EE-623	Optimization Technique for Engineers

Elective Courses for MS Electrical Engineering

EE-610	Advance Power Electronics
EE-6XX	Advance Power System Control
EE-6XX	Power System Stability and Control
EE-6XX	High Voltage Engineering
EE-612	Advance Power System Analysis
EE-620	Advance Power System Protection
EE-6XX	Smart Grid
EE-6XX	Power Devices & Circuits
EE-618	Advance Digital Communications
EE-6XX	Mobile & Wireless Networks
EE-609	Advance Digital System Design
EE-619	Advance Wireless Communications
EE-6XX	RF Devices & Circuits
EE-6XX	*Research Methodology

* Mandatory for students under Plane - A

**Mandatory for students under Plane - B



Department of Electrical Engineering

Ph.D Electrical Engineering

Shift : Weekend / Afternoon

Duration : 3 Years, 6 Semsters, 30 Credit Hours

Eligibility : MS. Electrical Engineering with research thesis in the relevant field or equivalent qualification with at least CGPA 3.00/4.00 or equivalent from any HEC recognized University and ETS-GRE(Subject) passed with 50 percent percentile or NTS-GAT(Subject) with 60% marks.

Research Opportunities (Power & Control)

- Renewable Energy resources and integration to grid.
- Advance Control methods and its application to FACTS devices. DC/ DC converters, wind energy, smart energy buildings and fuel cells process.
- Fault tolerant power system and solution using embedded and FPGA.
- High voltage insulation, reliability and life cycle for each.

Electronics & Communication

- Fault tolerant digital systems.
- Reconfigurable real time systems.
- Software defined radio and defined networks.
- VLSI testing.
- Electronic design automation for reliability and configurability.
- Adaptive signal image processing system.
- Wireless sensor networks.





Faculty of Computing & Numerical Sciences

Department of **Computer Science**

BS Computer Science, BS Software Engineering

BS Data Sciences

BS Artificial Intelligence

MS Computer Science

MS Software Engineering

Ph.D Computer Science



Faculty Members of Computer Science



Prof. Dr. Muhammad Abid
Professor
Dean Faculty of Computing
& Numerical Sciences
Ph.D (NLP),
Cranfield University, UK



Dr. Muhammad Arshad
Associate Professor
Head of Department
Ph.D Computer Science
Liverpool John Moores University,
Liverpool, UK

Dr. Shahab Haider, Associate Professor
Ph.D (CS) GIK, Topi, Swabi

Dr. Iftikhar Alam, Associate Professor
Ph.D (CS) University of Peshawar

Dr. Zulfiqar Ali, Associate Professor
Ph.D (CS) TU Graz, Austria

Dr. Ikram Ullah, Assistant Professor
Ph.D (CS) COMSATS University, Islamabad

Mr. Mumtaz Ali, Assistant Professor
Ph.D (CS) in progress
MS (IT) (information & Business Support System)
IMSciences, Peshawar

Mr. Shehzad Saifullah, Lecturer
MS (CS) FAST, Islamabad

Mr. Muhammad Abdul Tawab Khan, Lecturer
Ph.D (CS) in progress
MS (CS) IMSciences Peshawar

Mr. Bilal Khan, Lecturer
Ph.D (SE) in progress
MS (CS) City University, Peshawar

Mr. Muhammad Adnan, Lecturer
MS (CS) City University, Peshawar
M.Sc (CS) University of Peshawar

Mr. Haji Gul, Lecturer
MS (CS) IMSciences Peshawar
M.Sc (CS) IMSciences Peshawar

Engr. Farhan Naeem, Lecturer/Coordinator CS
MS (Computer Systems Engineering) UET, Peshawar

Mr. Mansoor Ahmad, Lab Engineer
BS (SE) City University, Peshawar

Engr. Nazir Jan, Lecturer
Ph.D (Computer Systems Engineering) in progress
MS (Computer Systems Engineering) UET Peshawar

Mr. Wahab Khan, Lecturer/Coordinator SE
Ph.D (CS) in progress
MS (SE) CASE Islamabad

Mr. Saifullah Jan, Lecturer
Ph.D (CS) in progress
MS (CS) Iqra National University, Peshawar

Ms. Zartashia Najaf, Lecturer
MS (CS) IMSciences, Peshawar

Mr. Furqan Nasir, Lecturer
MS (CS) Abasyn University, Peshawar

Ms. Zartasha Saeed, Lecturer
MS (CS) City University, Peshawar

Mr. Subhan Ullah, Lecturer
MS (CS) Muhammad Ali Jinnah University, Karachi

Mr. Muhammad Wasim, Lecturer
MS (SE) City University, Peshawar

Ms. Noreen Khan, Lecturer
MS (CS) In progress
MCS, City University, Peshawar

Mr. Adnan Hussain, Lecturer
MS (CS) Islamia College University, Peshawar

Mr. Afrasiyab, Lab Engineer
BS (SE) City University, Peshawar

Mr. Samiullah, Lab Engineer
BS (SE) City University, Peshawar

Mr. Muhammad Usman, Lab Engineer
M.Sc (CS) University of Peshawar

Mr. Izaz Ali, Departmental Assistant
M.A (Political Science) University of Peshawar

Mr. Imtiaz Khan, Lab Engineer
MS (CS) in progress
BS (CS) University of Engg. & Tech. Peshawar

Haider Ali, Lab Engineer
BS (SE) University of Sci. & Tech. Bannu

Department of Computer Science

Mr. Fayaz Khan, Lab Engineer
MS (CS) in progress
BS (CS) University of Peshawar

Mr. Said Muhammad, Lab Engineer
M.Sc (CS) University of Peshawar

Mission Statement

- M-1.** Educate the youth with an in-depth understanding of the theoretical and practical concepts of computer science through a rigorous course work and participating in cutting edge research.
- M-2.** Equip them with the technological tools to meet the challenges in their professional career or in pursuit of advanced degrees in computer science.
- M-3.** Support society by participating in and encouraging technology transfer for economically sustainable and socially acceptable department.

Program Educational Objectives

The overall objective of the computer science program is to prepare graduates who will be successful in their chosen career paths. Within a few years of graduation, graduates/alumni of the computer science program will attain following objectives:



BS Computer Science

Engineering Quality

PEO-1: Our graduates will engage in the productive practice of computer science to identify and solve significant problems across a broad range of application areas.

Leadership

PEO-2: Our graduates will engage in successful careers in industry, academia, and public service, providing technical leadership for their business, profession and community.

Economic Impact

PEO-3: Our graduates will enhance the economic well-being of Pakistan through a combination of technical expertise, leadership and entrepreneurship.

Lifelong Learning

PEO-4: Our graduates will adapt to new technologies, tools and methodologies to remain at the leading edge of computer science practice with the ability to respond to the challenges of a changing environment.

S.No	Program Learning Outcomes (PLOs)	Computing Professional Graduate
To prepare the students for a successful professional and personal life, the BS Computer program is designed to produce computer science graduates who have attained the following program/student learning outcomes at the time of graduation:		
1	Foundation	Demonstrate mastery of Computer Science in the following core knowledge areas Algorithms and Data Structures, programming languages, data structures, operating systems, databases, artificial intelligence, computer networking, software engineering and development
2	Problem Analysis/ Investigation	Apply system-level perspective by thinking at multiple levels of detail and abstraction and by recognizing the context in which a computer/software system may function, including its interactions with people and the physical world.

Department of Computer Science

3	Development of Solutions /Project Management	Apply problem-solving skills and the knowledge of computer science to solve real problems, as a member and/or leader in a team, to manage projects in a multidisciplinary environment.
4	Environment and Sustainability	An ability to understand the impact of professional engineering solutions. In social and environmental contexts and demonstrate knowledge of and need for sustainable development.
5	Modern Technologies	Understand how technological advances impact society and the social, legal, ethical and cultural ramifications of computer technology and their usage.
6	Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
7	Individual and Team Work	An ability to work effectively, as an individual or in a team, on multifaceted and /or multidisciplinary settings.
8	Communication	Write about and orally communicate technical material about computer science and computer systems, broadly conceived.
9	Lifelong Learning or Growth	An ability to recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments.

BS Software Engineering

Program Educational Objectives

The educational objective of the BS Software Engineering programs is to ensure that the graduates are fundamentally sound, practical, participatory and professional. Specifically after three to four years our graduates will have the following career and professional goals.

Engineering Quality

PEO-1: Our graduates will engage in the productive practice of software engineering to identify and solve significant problems across a broad range of application areas.

Leadership

PEO-2: Our graduates will engage in successful careers in industry, academia, and public service, providing technical leadership for their business, profession and community.

Economic Impact

PEO-3: Our graduates will enhance the economic well-being of Pakistan through a combination of technical expertise, leadership and entrepreneurship.

Lifelong Learning

PEO-4: Our graduates will adapt to new technologies, tools and methodologies to remain at the leading edge of computer science practice with the ability to respond to the challenges of a changing environment.

Department of Computer Science

Program Learning Outcomes

The following are the Software Engineering outcomes describing what students are expected to know to be able to do by the time of graduation from the program.

S.No	Program Learning Outcomes (PLOs)	Computing Professional Graduate
The following are the Software Engineering outcomes describing what students are expected to know or be able to do by the time of graduation from the program.		
1	Foundation	Demonstrate mastery of Software Engineering in the following core knowledge areas (1) Computing Essentials; (2) Mathematical and Engineering fundamentals; (3) Professional Practice; (3) Software lifecycle process (4) Software Modeling and Analysis; (5) Software design; (6) Software Verification and Validation; (7) Software Evolution; (8) Software Process; (9) Software Quality; (10) Software Management.
2	Problem Analysis/ Investigation	Apply system-level perspective by thinking at multiple levels of detail and abstraction and by recognizing the context in which a software system may function, including its interactions with people and the physical world. (Architecture and design patterns)
3	Development of Solutions/ Project Management	Apply problem-solving skills and the knowledge of software engineering over the entire system life cycle to solve real problems, as a member and/or leader in a team, to manage projects in a multidisciplinary environment. (Development and Process and quality)
4	Environment and Sustainability	An ability to understand the impact of professional software engineering solutions. In social and environmental contexts and demonstrate knowledge of and need for sustainable development.
5	Modern Technologies	Understand how technological advances impact society and the social, legal, ethical and cultural ramifications of software engineering technologies and their usage.
6	Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of software engineering practice.
7	Individual and Team Work	An ability to work effectively, as an individual or in a team, on multifaceted and /or multidisciplinary settings.
8	Communication or Presentation	Prepare and publish the necessary documents required throughout the project lifecycle using electronic communication tools to effectively collaborate with team members in different countries with different cultural backgrounds. Graduates can effectively contribute to project discussions, presentations, and reviews.
9	Lifelong Learning	An ability to recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments.

Department of Computer Science

0244 BS Computer Science

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized Board

1st Semester

Course	Course Title	Credit Hours
-----	Introduction to Info. & Comm. Technologies	3+1
-----	Programming Fundamentals	3+1
-----	English Composition & Comprehension	3+0
-----	Calculus & Analytical Geometry	3+0
-----	Pakistan Studies	2+0
-----	Applied Physics	2+1

2nd Semester

Course	Course Title	Credit Hours
-----	Object Oriented Programming	3+1
-----	Communication & Presentation Skills	3+0
-----	Digital Logic Design	3+1
-----	Probability & Statistics	3+0
-----	Islamic Studies	2+0
-----	University Elective-I	3+0

3rd Semester

Course	Course Title	Credit Hours
-----	Data Structures & Algorithms	3+1
-----	Computer Architecture & Organization	3+1
-----	Discrete Structures	3+0
-----	Professional Practices	3+0
-----	CS Supporting-I	3+0

4th Semester

Course	Course Title	Credit Hours
-----	Design & Analysis of Algorithm	3+0
-----	Theory of Automata	3+0
-----	Database Systems	3+0
-----	Linear Algebra	3+0
-----	University Elective-II	3+0

5th Semester

Course	Course Title	Credit Hours
-----	Compiler Construction	3+0
-----	Operating Systems	3+0
-----	Software Engineering	3+0
-----	CS Supporting-II	3+0
-----	CS Supporting-III	3+0

6th Semester

Course	Course Title	Credit Hours
-----	Artificial Intelligence	3+1
-----	Data Communication & Computer Networks	3+1
-----	CS Elective-I	3+0
-----	CS Elective-II	3+0
-----	Technical & Business Report Writing	3+0

7th Semester

Course	Course Title	Credit Hours
-----	University Elective – III	3+0
-----	Parallel & Distributed Computing	3+0
-----	CS Elective-III	3+0
-----	CS Elective-IV	3+0
-----	Final Year Project – I	0+3

8th Semester

Course	Course Title	Credit Hours
-----	University Elective-IV	3+0
-----	CS Elective-V	3+0
-----	Information Security	3+0
-----	Final Year Project-II	0+3



Department of Computer Science

University Elective Courses:	21
Course Title	Credit Hours
Fundamentals of Accounting	3
Organizational Behaviour	3
Principles of Management	3
Entrepreneurship	3
Leadership	3
Marketing Management	3
Fundamentals of Psychology	3

Elective courses not limited to the list

Computer Science Elective Courses:	21	Computer Science Elective Courses:	21
Course Title	Credit Hours	Course Title	Credit Hours
Computer Graphics	2	Data Mining	3
Computer Graphics	1	Mobile Application & Development	2
Web Engineering - 1	2	Mobile Application & Development	1
Web Engineering - 1	1	Computer Vision	3
Routing and Switching	2	Data Warehousing	3
Routing and Switching	1	Modern Web Technology	2
Wireless Network	3	Modern Web Technology	1
Web Engineering - II	2	Digital Signal Processing	3
Web Engineering - II	1	Distributed Computing	3
Digital Image Processing	2		
Digital Image Processing	1		
Fuzzy Logics	3		



Department of Computer Science

0246 BS Software Engineering

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized Board

1st Semester

Course	Course Title	Credit Hours
-----	Introduction to Info.& Comm. Technologies	3+1
-----	Programming Fundamentals	3+1
-----	English Composition & Comprehension	3+0
-----	Calculus & Analytical Geometry	3+0
-----	Pakistan Studies	2+0
-----	Applied Physics	2+1

2nd Semester

Course	Course Title	Credit Hours
-----	Object Oriented Programming	3+1
-----	Communication & Presentation Skills	3+0
-----	Discrete Structures	3+0
-----	Software Engineering	3+0
-----	Islamic Studies	2+0
-----	University Elective-I	3+0

3rd Semester

Course	Course Title	Credit Hours
-----	Data Structures & Algorithms	3+1
-----	Software Requirement Engineering	3+0
-----	Human Computer Interaction	3+0
-----	Linear Algebra	3+0
-----	University Elective-II	3+0

4th Semester

Course	Course Title	Credit Hours
-----	Operating Systems	3+0
-----	Database Systems	3+1
-----	Software Design & Architecture	3+0
-----	Probability and Statistics	3+0
-----	University Elective-III	3+0

5th Semester

Course	Course Title	Credit Hours
-----	Software Construction and Development	3+0
-----	Computer Networks	3+1
-----	Technical and Business Writing	3+0
-----	SE Supporting-I	3+0
-----	SE Supporting-II	3+0

6th Semester

Course	Course Title	Credit Hours
-----	Software Quality Engineering	3+0
-----	Information Security	3+0
-----	Professional Practice	3+0
-----	Web Engineering	2+1
-----	SE Elective-I	3+0
-----	SE Supporting-III	3+0

7th Semester

Course	Course Title	Credit Hours
-----	Software Project Management	3+0
-----	Software Re-Engineering	3+0
-----	SE Elective-II	3+0
-----	SE Elective-III	3+0
-----	Final Year Project-I	0+3

8th Semester

Course	Course Title	Credit Hours
-----	SE Elective-III	3+1
-----	SE Elective-III	3+1
-----	University Elective-IV	3+0
-----	Final Year Project-II	0+3



Department of Computer Science

University Elective Courses:	21
Course Title	Credit Hours
Fundamentals of Accounting	3
Organizational Behaviour	3
Principles of Management	3
Entrepreneurship	3
Leadership	3
Marketing Management	3
Fundamentals of Psychology	3

Elective courses not limited to the list

Software Engineering Elective Courses:	21
Course Title	Credit Hours
System Analysis & Design	3
Web - Engineering	3
Artificial Intelligence	3
Web Engineering - II	3
Data Mining	3
Mobile Application Development	3
Data Warehousing	3
Modern Web Technology	2
Modern Web Technology	1
Software Engineering Economics	3
Aspect Oriented Software Design	3

Software Engineering Elective Courses:	21
Course Title	Credit Hours
Information System Audit	3
Agent Based Computing	3
Cloud Computing	3
Introduction to Soft Computing	3
Real-Time Systems	3
Data Security & Encryption	3
Secure Software Development	3
Business Process Engineering	3
Advance Database Management Systems	3
Introduction to Bioinformatics	3
Bioinformatics Software Engineering	3



Department of Computer Science

000 BS Data Sciences

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized Board

1st Semester

Course	Course Title	Credit Hours
-----	Introduction to ICT	3
-----	Programming Fundamentals	4
-----	Discrete Structures	3
-----	Calculus & Analytic Geometry	3
-----	English Composition & Comprehension	3

2nd Semester

Course	Course Title	Credit Hours
-----	Object Oriented Programming	4
-----	Database Systems	4
-----	Linear Algebra	3
-----	Probability & Statistics	3
-----	Communication & Presentation Skills	3

3rd Semester

Course	Course Title	Credit Hours
-----	Data Structures & Algorithms	4
-----	Information Security	3
-----	Artificial Intelligence	4
-----	Digital Logic Design	4
-----	Differential Equations	3

4th Semester

Course	Course Title	Credit Hours
-----	Computer Networks	4
-----	Computer Org. & Assembly Language	4
-----	Analysis of Algorithms	3
-----	Introduction to Data Science	3
-----	Advance Statistics	3

5th Semester

Course	Course Title	Credit Hours
-----	Operating System	4
-----	Data Mining	3
-----	Data Warehousing & Business Intel.	3
-----	DS Elective-I	3
-----	DS Elective-II	3
-----	University Elective-I	3

6th Semester

Course	Course Title	Credit Hours
-----	Final Year Project-I	2
-----	Software Engineering	3
-----	University Elective-III	3
-----	Technical & Business Writing	3
-----	Islamic Studies / Ethics	2

7th Semester

Course	Course Title	Credit Hours
-----	Parallel & Distributed Computing	3
-----	Big Data Analytics	3
-----	Data Visualization	3
-----	DS Elective-III	3
-----	DS Elective-IV	3
-----	University Elective-II	3

8th Semester

Course	Course Title	Credit Hours
-----	Final Year Project-II	4
-----	University Elective-IV	3
-----	Professional Practices	3
-----	Pakistan Studies	2

Department of Computer Science

000 BS Artificial Intelligence

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized Board

1st Semester

Course	Course Title	Credit Hours
-----	Introduction to ICT	3
-----	Programming Fundamentals	4
-----	Discrete Structures	3
-----	Calculus & Analytic Geometry	3
-----	English Composition & Comprehension	3

2nd Semester

Course	Course Title	Credit Hours
-----	Object Oriented Programming	4
-----	Database Systems	4
-----	Linear Algebra	3
-----	Probability & Statistics	3
-----	Communication & Presentation Skills	3

3rd Semester

Course	Course Title	Credit Hours
-----	Data Structures & Algorithms	4
-----	Information Security	3
-----	Artificial Intelligence	4
-----	Digital Logic Design	4
-----	Differential Equations	3

4th Semester

Course	Course Title	Credit Hours
-----	Computer Networks	4
-----	Computer Org. & Assembly Language	4
-----	Analysis of Algorithms	3
-----	Programming & Artificial Intelligence	3
-----	AI Elective-I	3

5th Semester

Course	Course Title	Credit Hours
-----	Operating System	4
-----	Artificial Neural Networks	3
-----	Machine Learning	3
-----	AI Elective-III	3
-----	AI Elective-IV	3
-----	University Elective-I	3

6th Semester

Course	Course Title	Credit Hours
-----	Parallel & Distributed Computing	3
-----	Computing Vision	3
-----	Natural Language Processing	3
-----	AI Elective-III	3
-----	AI Elective-IV	3
-----	University Elective-II	3

7th Semester

Course	Course Title	Credit Hours
-----	Final Year Project-I	2
-----	Software Engineering	3
-----	University Elective-III	3
-----	Technical & Business Writing	3
-----	Islamic Studies / Ethics	2

8th Semester

Course	Course Title	Credit Hours
-----	Final Year Project-II	4
-----	University Elective-IV	3
-----	Professional Practices	3
-----	Pakistan Studies	2

Department of Computer Science

0306 Master of Science in Computer Science

Shift : Weekend
Duration : 2 Years, 4 Semsters, 30 Credit Hours
Eligibility : MCS / BCS (4 Years) / M.Sc /B.E or equivalent qualification with at least 50% marks or CGPA 2.50/4.00 from any HEC recognized University and GAT test obtaining at least 50% marks / university test with 50% score.

1st Semester

Course	Course Title	Credit Hours
-----	Core-I	3
-----	Core-II	3
-----	Core-III	3
-----	Core-IV	3

2nd Semester

Course	Course Title	Credit Hours
-----	1 Electives	3
-----	2 Electives	3
-----	3 Electives	3
-----	4 Electives	3

3rd Semester

Course	Course Title	Credit Hours
-----	Research Thesis	3

4th Semester

Course	Course Title	Credit Hours
-----	Research Thesis	3



Core Courses

----- Advanced Analysis of Algorithms
----- Advanced Operating Systems
----- Theory of Programming Languages
----- Theory of Automata-II
----- Advanced Computer Architecture

Elective Courses

----- Network Security & Cryptography
----- Advance Wireless Networks
----- Network Programming
----- Network Simulation & Modeling
----- Wireless Sensor Networks
----- Advance topics in Database
----- Data Warehousing
----- Distributed Database Systems
----- Virtual Reality
----- Advanced Computer Graphics
----- Computer Vision
----- Human Computer Interaction
----- Data Mining
----- Machine Learning
----- Utility Computing
----- Image Processing

Department of Computer Science

0304 Master of Science in Software Engineering

Shift : Weekend
Duration : 2 Years, 4 Semesters, 30 Credit Hours
Eligibility : BS-CS / BS-SE / BS-IT (4 Years) equivalent qualification with at least 50% marks or CGPA 2.50/4.00 from any HEC recognized University and GAT test obtaining at least 50% marks / university test with 50% score.

1st Semester

Course	Course Title	Credit Hours
-----	Software System Design & Architecture	3
-----	Topics in Soft Requirement Engineering	3
-----	Elective-I	3
-----	Elective-II	3

2nd Semester

Course	Course Title	Credit Hours
-----	Software Quality Assurance	3
-----	Elective-III	3
-----	Elective-IV	3

3rd Semester

Course	Course Title	Credit Hours
-----	Elective-V	3
-----	Research Thesis	3

4th Semester

Course	Course Title	Credit Hours
-----	Research Thesis	3

Elective Courses

----- Data Mining
----- Advance Software Project Management
----- Formal Methods
----- Research Methods in Computing
----- Machine Learning
----- Digital Image Processing
----- Topics in Software Engineering
----- Software Testing



Department of Computer Science

406 Ph.D Computer Science

Shift : Weekend

Duration : 3 Years, 6 Semesters, 27 Credit Hours

Eligibility : M.S /M.Phil. degree in Computer science with research thesis in relevant area, securing at least minimum CGPA 3.0 (out of 4.0 in the Semester System) or First Division (in the Annual System) in M.Phil./ M.S/ Equivalent degree is required from HEC recognized university with NTS-GAT (subject) with 60% marks. University test with 60% marks.

Ph.D Program Structure

The complete details of PhD (CS) are given below;

- Minimum credit hours for course work shall be 18 C.H. + 9 C.H for PhD (CS) Thesis, and followed by a comprehensive examination for granting candidacy as PhD researcher.
- The program shall comprise of minimum Six (6) semesters spread over Three (3) years with two semesters a year. The maximum duration for PhD program is seven (7) years.
- The list of elective courses/specialization for PhD (CS) is given below which may be updated by the university time-to-time.

1st Semester

Course	Course Title	Credit Hours
-----	Elective-I	3
-----	Elective-II	3
-----	Elective-III	3

2nd Semester

Course	Course Title	Credit Hours
-----	Elective-IV	3
-----	Elective-V	3
-----	Elective-VI	3

3rd Semester

Course	Course Title	Credit Hours
-----	Comprehensive Exam	-
-----	Ph.D Research Proposal	-

4th Semester

Course	Course Title	Credit Hours
-----	Ph.D Thesis-I	3

5th Semester

Course	Course Title	Credit Hours
-----	Ph.D Thesis-II	3

6th Semester

Course	Course Title	Credit Hours
-----	Ph.D Thesis-III	3



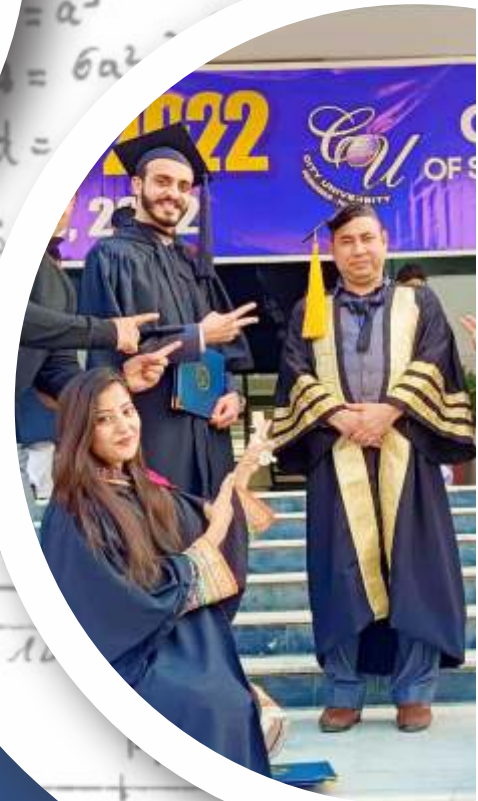
Department of Mathematics

BS Mathematics

Two Year Associate Degree

M.Phil Mathematics

Ph.D Mathematics





Dr. Farhad Ali

Head of Department

Message from HoD:

I welcome you to the Department of Mathematics at CUSIT, Peshawar. It is my goal to create a department that is thriving with good teachers, good researchers, and good students, all working together for the benefit of all.

Graduate & postgraduate programs of the Department of Mathematics aims to present fundamental knowledge in pure and applied mathematics and mathematical thinking system.

I believe that the research environment is the essence of a department. Various research groups have been formed in the department to heave the research culture and enhance more research collaborations at the national and international levels. The department is producing a good number of quality research papers that are published in well-reputed international ISI index Journals. Faculty members and research scholars are active in delivering talks at various national conferences, seminars, and workshops.

CENTER OF EXCELLENCE

Fluid Dynamics

01



Dr. Farhad Ali
Head of Center of Excellence
in Fluid Dynamics

Computational Fluid Dynamics

02



Dr. Muhammad Shuaib
Head of Center of
Excellence in Computational
Fluid Dynamics

Infectious Disease Modeling

03



Dr. Sami Ullah Khan
Head of Center of Excellence
in Infectious
Disease Modeling

MISSION STATEMENT

The mission of the Mathematics department is to provide high quality education in pure and applied mathematics in order to prepare students for graduate studies or professional careers in mathematical sciences. The department, through its faculty, will continue to contribute to graduate qualified cadres who are equipped with insight and research skills in the field of mathematics.

Objectives

- To train qualified, adaptable, motivated, and responsible mathematicians who will contribute to the scientific and technological development of the country.
- To provide an in-depth understanding of the fundamental principles and techniques of mathematics.
- To develop mathematical thinking, reasoning and skills needed in modeling and solving.
- To produce graduates in mathematics that are adaptable to teach in secondary schools, colleges, universities and work in industries, research institutes etc.
- To encourage participation in scientific forums and seminars.
- To encourage follow up of latest scientific research and techniques in the field.
- Build and enhance computational skills necessary in today's society.
- Provide an environment which will help all faculty and staff to achieve their professional goals.
- To Work effectively in teams by having ethical and professional behavior.

Learning Outcomes

On successful completion of the degree programme, the graduate will be able to :

- Formulate and analyze mathematical and statistical problems, precisely define the key terms, and draw clear and reasonable conclusions to solve well-defined problems and present their mathematical work, both in oral and written format.
- Explain the importance of mathematics and its techniques to solve real life problems and provide the limitations of such techniques and the validity of the results.
- Read, understand, and construct correct mathematical and statistical proofs and use the library and electronic data-bases to locate information on mathematical problems.

Career for Mathematicians

The range of careers on which mathematicians are engaged is wide. We give a few examples.

- Scientific research, design and development.
- Management services and computing.
- Financial work.
- Statistical work.
- Teaching.
- Postgraduate study.

MEET THE FACULTY



Dr. Farhad Ali

Associate Professor / HoD
Acting Dean faculty of Engineering, Technology
& Architecture
Dean of Online Distance Learning (ODL)
Ph.D Applied Mathematics,
University Teknologi Malaysia



Dr. Muhammad Shuaib

Assistant Professor
Ph.D Mathematics,
University of Engineering & Technology,
Peshawar

Dr. Nadeem Ahmad Sheikh

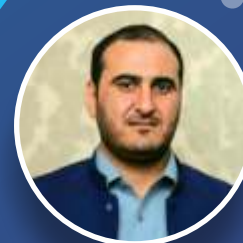
Assistant Professor
Ph.D Mathematics,
University Teknologi Petronas,
Malaysia



Dr. Sami Ullah Khan

Assistant Professor
Ph.D Mathematics,
COMSATS, Islamabad

Mr. Ata ur Rehman
Lecturer / Department Coordinator
MS Mathematics,
City University of Science & IT,
Peshawar



Ms. Madeha Gohar

Lecturer
Ph.D Mathematics (In Progress)
City University of Science & IT,
Peshawar

Mr. Anees Imtiaz
Adjunct Lecturer / MS, Ph.D Coordinator
MS Mathematics,
City University of Science & IT,
Peshawar



BS MATHEMATICS

0256 BS Mathematics

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with Mathematics as a major subject with atleast 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
-----	Quantitative Reasoning-I	3
-----	Art & Humanities -I	3
-----	Natural Science-I	3
-----	Social Science-I	3
-----	Expository Writing -I	3

2nd Semester

Course	Course Title	Credit Hours
-----	Quantitative Reasoning-II	3
-----	Art & Humanities -II	3
-----	Natural Science-II	3
-----	Social Science-II	3
-----	Expository Writing -II	3

3rd Semester

Course	Course Title	Credit Hours
MTS-125	Elements of Set Theory & Mathematical Logics	
MTS-101	Calculus - I	
-----	Civilization Course-I	
-----	Civilization Course-II	
-----	Expository Writing -III	

4th Semester

Course	Course Title	Credit Hours
MTS-223	Classical Mechanics	3
MTS-224	Group Theory-I	3
MTS-404	Topology-I	3
MTS-301	Linear Algebra	3
MTS-429	Research Methodology	3

5th Semester

Course	Course Title	Credit Hours
MTS-424	Topology-II	3
MTS-220	Discrete Mathematics	3
MTS-312	Group Theory-II	3
MTS-201	Calculus II	3
MTS-	Elective-I	3
MTS-	Elective-II	3

6th Semester

Course	Course Title	Credit Hours
MTS-212	Ordinary Differential Equations	3
MTS-424	Differential Geometry and Tensor Analysis	3
MTS-401	Real Analysis- I	3
MTS-409	Numerical Analysis-I	3
MTS-214	Calculus-III	3
MTS-	Elective-III	3

7th Semester

Course	Course Title	Credit Hours
MTS-405	Real Analysis-II	3
MTS-311	Partial Differential Equations	3
MTS-428	Integral Equations	3
MTS-412	Numerical Analysis-II	3
MTS-303	Functional Analysis-I	3
MTS-403	Complex Analysis-I	3

8th Semester

Course	Course Title	Credit Hours
MTS-304	Functional Analysis-II	3
MTS-407	Complex Analysis-II	3
MTS-	Elective-IV	3
MTS-	Elective- V	3
-----	Project	3

TWO YEAR ASSOCIATE DEGREE PROGRAM

0222 Two Year Associate Degree Program

Shift : Morning

Duration : 2 Years, 4 Semesters, 66 Credit Hours

Eligibility : B.Sc. Mathematics or equivalent qualification with Mathematics as a major subject with at least 45% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
-----	Quantitative Reasoning-I	3
-----	Art & Humanities -I	3
-----	Natural Science-I	3
-----	Social Science-I	3
-----	Expository Writing -I	3

2nd Semester

Course	Course Title	Credit Hours
-----	Quantitative Reasoning-II	3
-----	Art & Humanities -II	3
-----	Natural Science-II	3
-----	Social Science-II	3
-----	Expository Writing -II	3

3rd Semester

Course	Course Title	Credit Hours
MTS-125	Elements of Set Theory & Mathematical Logics	3
MTS-101	Calculus - I	3
-----	Civilization Course-I	3
-----	Civilization Course-II	3
-----	Expository Writing -III	3

4th Semester

Course	Course Title	Credit Hours
MTS-406	Classical Mechanics	3
MTS-222	Group Theory-I	3
MTS-404	Topology-I	3
MTS-301	Linear Algebra	3
MTS-451	Research Methodology	3



M.Phil/Ph.D MATHEMATICS

0316 M.Phil Mathematics

Shift : Afternoon

Duration : 2 Years, 4 Semesters, 30 Credit Hours

Eligibility : M.Sc/BS Mathematics or equivalent qualification with Mathematics as a major subject with at least 50% marks or CGPA 2.50/4.00 from any HEC recognized university and GAT test obtaining at least 50% marks/ university test with a 50% score.

1st Semester

Course	Course Title	Credit Hours
MTS-6XX	Core Course-I	3
MTS-6XX	Core Course-II	3
MTS-6XX	Elective-I	3
MTS-6XX	Elective-II	3

2nd Semester

Course	Course Title	Credit Hours
MTS-6XX	Core Course-III	3
MTS-6XX	Elective-III	3
MTS-6XX	Elective-IV	3
MTS-6XX	Elective-V	3

3rd Semester

Course	Course Title	Credit Hours
MTS-699	Research Thesis-I	3

4th Semester

Course	Course Title	Credit Hours
MTS-699	Research Thesis-II	3

0404 Ph.D Mathematics

Shift : Afternoon

Duration : 3 Years, 6 Semesters, 36 Credit Hours

Eligibility : MS Mathematics with research thesis in relevant field or equivalent qualification with Mathematics as a major subject with at least 60% marks or CGPA 3.00/4.00 from any HEC recognized university and achieved NTS GAT subject with 60% or ETS GRE subject with a 50% score.

1st Semester

Course	Course Title	Credit Hours
MTS-7XX	Elective-I	3
MTS-7XX	Elective-II	3
MTS-7XX	Elective-III	3

2nd Semester

Course	Course Title	Credit Hours
MTS-7XX	Elective-IV	3
MTS-7XX	Elective-V	3
MTS-7XX	Elective-VI	3

3rd to 6th Semesters

Course	Course Title	Credit Hours
MTS-799	Ph.D Thesis	18



EVENTS AND ACHIEVEMENTS



Visit to Sargodha University



International Conference on Emerging Trends in Engineering, Management & Sciences (2018)



Dr. Farhad Ali
Best Researcher Award of the Year 2017



Mr. Anees Imtiaz
Young Researcher Award of the Year 2019



Seminars and Presentations



CITY UNIVERSITY

OF SCIENCE & INFORMATION TECHNOLOGY,
PESHAWAR

AWARDS

TOP 2% SCIENTISTS OF THE WORLD



Faculty Members of the Department of Mathematics, Dr. Farhad Ali and Dr. Taza Gul are Listed in the Top 2% Scientists According to an Independent Study Issued by Stanford University, USA.



ACHIEVEMENTS OF THE DEPARTMENT OF MATHEMATICS

20
22



TOTAL
PUBLICATIONS

62



CUMULATIVE IMPACT
FACTOR OF THE YEAR

221.287



SEMINAR/
WEBINAR

06



NUMBER OF MS/PH.D.
GRADUATED SCHOLARS

15

Fully-Funded Foreign Ph.D. Scholarships Achieved by MS-Mathematics Scholars



MUHAMMAD ARIF
PETCHRA PRA JOM KLAO
RESEARCH SCHOLARSHIP,
KMU BANGKOK, THAILAND



KAMIL SHAH
FULLY-FUNDED SCHOLARSHIP,
KUNMING UNIVERSITY,
CHINA



SAQIB MURTAZA
PETCHRA PRA JOM KLAO
RESEARCH SCHOLARSHIP,
KMU BANGKOK, THAILAND



ZUBAIR AHMAD
FULLY-FUNDED SCHOLARSHIP,
UNIVERSITY OF CAMPANIA
(LUIGI VANVITELLI), ITALY.



FAIZA HASEEN
FULLY-FUNDED SCHOLARSHIP
UNIVERSITY OF BARI,
ITALY



Faculty of Social Sciences

Department of **English**

BS. English (Linguistics & Literature)

M.Phil in English (Linguistics & Literature)

Ph.D. in English (Linguistics & Literature)



Department of English

Faculty Members



Dr. Zulfiqar Ali
Associate Professor
Dean, Faculty of
Social Sciences
Ph.D English
(Applied Linguistics)
Air University, Islamabad



Dr. Humaira Riaz
Assistant Professor
(Head of Department)
Ph.D English (Literature)
Fatima Jinnah Women University,
Rawalpindi

Dr. Rubina Rahman, Professor
Ph.D English (Applied Linguistics)
University of Peshawar

Dr. Riaz Ud Din, Assistant Professor
Ph.D. English (Linguistics) AJK, Muzaffarabad

Dr. Shakeel ur Rehman, Assistant Professor
Ph.D English (Literature) Qurtuba University, Peshawar

Dr. Nijat Ullah Shah, Assistant Professor
Ph.D English (Literature) Qurtuba University, Peshawar

Mr. Ahmad Farooq, Lecturer
MS English (Linguistics)
Islamia College University, Peshawar

Mr. Rehman Ullah, Lecturer
MS English (Literature) City University, Peshawar

Ms. Noureen Waqar, Lecturer
MS English (Linguistics) City University, Peshawar

Ms. Bibi Ranra, Lecturer
MS English (Applied Linguistics) University of Peshawar

Mr. Rizwan Safdar, Lecturer
M.Phil English (Literature) Qurtuba University, Peshawar

Mr. Syed Zia Ullah Shah, Lecturer
MS. English (Literature) Qurtuba University, Peshawar

Mr. Iftikhar Khan, Lecturer
MS English (Literature) Northern University, Nowshera

Mr. Aamer Raza, Lecturer
MS. English (Literature & Linguistics) COMSATS, Lahore

Mr. Rahil Kashif
MS English (Literature) in progress, City University, Peshawar

Ms. Mehwish Munir
MS. English (Literature) City University, Peshawar

Ms. Syeda Mahnoor Saeed
MS. English (Linguistics) in progress City University, Peshawar

Mr. Muhammad Hussain Damsaz, Lecturer
M.Phil (Literature) Northern University, Nowshera

Ms. Malghalara, Lecturer
MS English (Literature) City University, Peshawar



Department of English

Vision Statement

To foster intellectual and philosophical vitality through teaching and research in the field of English Literature and Linguistics with a view to enhance critical and analytical thinking of the students.

Mission Statement

To prepare graduates for the real world challenges by inculcating critical and creative thinking and an understanding of diverse literature, linguistics and command of essential writing skills.

Objective

- To provide excellent, accessible and affordable learning opportunities including new trends in research.
- To prepare productive and responsible citizens by motivating undergraduate and graduate students and researchers in the area of language, linguistics and English Literature.
- To engage students in academic activities in order to promote analytical reasoning.
- To facilitate students in developing intellectual flexibility, creativity and cultural sensitizing

Follow an expected outcomes of the programme in which students should be able to:

- Read literary and linguistic texts in a variety of forms and styles
- Demonstrate an understanding of major literary works, genres, eras, and critical approaches to British, American, and World Literatures.
- Enhance to understanding of linguistics as a field of study,
- Write clearly, effectively and modify writing style accordingly to the content and the context.
- Develop and carry out research by identifying issues and propose solutions.
- Build a connection among culture, history and texts, including structures of power.

Alignment of Programs' objectives with University's Mission Statement

University and program's mission statement guide the program's objectives of English Programs of BS and MS/MPhil. It is done through imparting related linguistic and literary skills through quality education which enables them to serve their organization and nation.

Main Elements of Strategic plan (Curriculum Design)

The main elements of CUSIT strategic plan for MS/MPhil and BS English programs are programs course contents, delivery/teaching methodology and output evaluation. This educates and prepare students professionally and personally through conceptual understanding and practical exposure.

Department of English

0258 BS English (Linguistics & Literature)

Shift : Morning
Duration : 4 Years, 8 Semesters, 130 Credit Hours
Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
MGT-104	Entrepreneurship	3
ENG-116	Functional English	3
ENG-128	Introduction to English Literature (Poetry & Drama)	3
ENG-127	Introduction to Language Studies	3
HUM-102	Pakistan Studies	3
PSY-116	Psychology	3

2nd Semester

Course	Course Title	Credit Hours
ENG-120	History of English Literature-I (Medieval to Romanticism)	3
ENG-129	Study Skills	3
HUM-101	Islamic Studies	3
ENG-125	Communication & Presentation Skills	3
ENG-130	Gender Studies	3
ENG-119	Introduction to Phonetics & Phonology	3

3rd Semester

Course	Course Title	Credit Hours
ENG-214	History of English Literature (19th century realism to Modernism)	3
ENG-221	Short Fictional Narrative	3
ENG-219	Morphology and Syntax	3
ENG-222	Composition Writing	3
ENG-211	International Relation	3
CSC-101	Introduction to Computing	3

4th Semester

Course	Course Title	Credit Hours
ENG-318	Novel-I	3
ENG-217	Advanced Academic Reading and Writing	3
ENG-420	Prose	3
HUM-205	Human Rights and Citizenship	3
HUM-207	Introduction to Geography	3
ENG-216	Semantics	3

5th Semester

Course	Course Title	Credit Hours
ENG-206	Poetry-I	3
ENG-223	Classical and Renaissance Drama	3
ENG-319	Novel-II	3
ENG-313	Discourse Analysis	3
ENG-310	Sociolinguistics	3
ENG-209	American Literary Movement-I	3

6th Semester

Course	Course Title	Credit Hours
ENG-306	Poetry-II	3
ENG-321	Foundations of Literary Criticism	3
ENG-424	Research Design	3
ENG-213	American Literary Movement-II	3
ENG-315	Psycholinguistics	3

7th Semester

Linguistics & Literature		
Course	Course Title	Credit Hours
-----	Elective-I	3
-----	Elective-II	3
-----	Elective-III	3
-----	Elective-IV	3
ENG-499	Research Project	3

8th Semester

Linguistics & Literature		
Course	Course Title	Credit Hours
-----	Elective-V	3
-----	Elective-VI	3
-----	Elective-VII	3
-----	Elective-VIII	3
ENG-499	Research Project	3

Course	Course Title	Credit Hours
BS. English Elective Courses (Literature)		
	American Literature	3
	Psycho-Analytical Studies-I	3
	Commonwealth Literature-I	3
	(Post-colonial Discourse+South Asian Literature+ 20th Century Literature (Poetry & Drama)+ 20th Century English Literature	3
	Psycho-Analytical Studies-II	3
	Science Fiction	3
	Commonwealth Literature-II	3
	(Post-colonial Discourse+South Asian Literature+ 20th Century Literature (Poetry & Drama)+ 20th Century English Literature	3
	Pakistan Literature	3

Course	Course Title	Credit Hours
BS. English Elective Courses (Linguistics)		
	Discourse Analysis (Also Critical Discourse Analysis)	3
	World Englishes	3
	Second Language Acquisition	3
	Trends and Issues in Linguistics	3
	Genre Analysis	3
	Pragmatics	3
	Syllabus Designing and Testing	3
	Media Discourse: Media and Language	3
	English Language Teaching	3

Department of English

000 M.Phil in English (Literature & Linguistics)

Shift : Weekend

Duration : 2 Years, 4 Semesters, 30 Credit Hours

Eligibility : BS. English, MA. English or equivalent qualification with at least 50% marks or CGPA 2.50 / 4.00 from any HEC recognized university and GAT Test obtaining at least 50% marks / university test with 50% score. (Departmental test is mandatory for all the candidates)

LITERATURE

1st Semester

Course	Course Title	Credit Hours
ENG-601	Research Methodology and Writing (core)	3
ENG-703	Critical Theories (core)	3
ENG-xxx	Elective-I	3
ENG-xxx	Elective-II	3

2nd Semester

Course	Course Title	Credit Hours
ENG-xxx	Elective-III	3
ENG-xxx	Elective-IV	3
ENG-xxx	Elective-V	3
ENG-xxx	Elective-VI	3

3rd Semester

Course	Course Title	Credit Hours
ENG-xxx	Research Thesis-I	3

4th Semester

Course	Course Title	Credit Hours
ENG-xxx	Research Thesis-II	3

LINGUISTICS

1st Semester

Course	Course Title	Credit Hours
ENG-601	Research Methodology and Writing (core)	3
ENG-703	Critical Theories (core)	3
ENG-xxx	Elective-I	3
ENG-xxx	Elective-II	3

2nd Semester

Course	Course Title	Credit Hours
ENG-xxx	Elective-III	3
ENG-xxx	Elective-IV	3
ENG-xxx	Elective-V	3
ENG-xxx	Elective-VI	3

3rd Semester

Course	Course Title	Credit Hours
ENG-xxx	Research Thesis-I	3

4th Semester

Course	Course Title	Credit Hours
ENG-xxx	Research Thesis-II	3

Course Title	Credit Hours
M.Phil English Elective Courses (Literature)	
Contemporary Postcolonial Studies	3
War Literature	3
Literature and Globalization	3
Literature and Environment	3
Literature and Film Studies	3
Women's Writings	3
Postmodern Fiction	3
Transnational Poetry	3
Digital Humanities	3
Shakespearean Studies	3
Postmodern American Literature	3
World Literature & Translation	3
South Asian Literature	3
Diasporic Literatures	3

Course Title	Credit Hours
MS. English Elective Courses (Linguistics)	
Corpus Linguistics	3
Language and Technology	3
Psycho-Neurolinguistics	3
Advanced Stylistics	3
Anthropological Linguistics	3
Systemic Functional Linguistics	3
Critical Discourse Analysis	3
Bilingualism	3
Genre Analysis	3
Issues in Syntax	3
Applied Linguistics	3
Multilingualism	3
Teaching and Learning English in Large Classes	3
Cross-Cultural Communication	3
Theoretical Phonology	3
Phonetics	3
Language Program Management	3
Morphology & its Theoretical Foundations	3
Neuro-linguistics	3
Cognitive Linguistics	3
Sociolinguistics	3
World Englishes	3

Department of English

000 Ph.D. in English (Literature & Linguistics)

Shift : Weekend

Duration : 3 Years, 6 Semesters, 30 Credit Hours

Eligibility : MS / M.Phil (English) with Research Thesis in the relevant field or equivalent qualification with at least 60% marks or 3.00/4.00 CGPA from any HEC recognized university and achieved NTS GAT (Subject) with 60% marks or ETS GRE (Subject) with 50% percentile.

LITERATURE

1st Semester

Course	Course Title	Credit Hours
ENG-xxx	Advanced Research Methods and Seminar (core)	3
ENG-xxx	Issues in Critical Theories (core)	3
ENG-xxx	Elective- I	3

2nd Semester

Course	Course Title	Credit Hours
ENG-xxx	Elective-II (Independent Study)	3
ENG-xxx	Elective-III	3
ENG-xxx	Elective-IV	3

3rd to 6th Semester

Course	Course Title	Credit Hours
ENG-xxx	PhD Thesis	3

LINGUISTICS

1st Semester

Course	Course Title	Credit Hours
ENG-xxx	Advanced Research Methods and Seminar (core)	3
ENG-xxx	Issues in Applied Linguistics (core)	3
ENG-xxx	Elective- I	3

2nd Semester

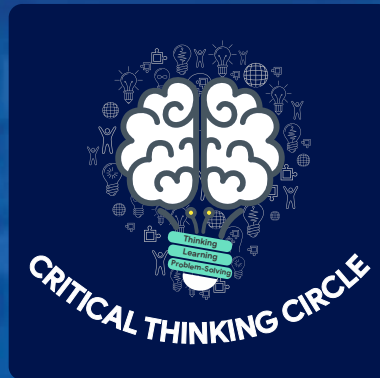
Course	Course Title	Credit Hours
ENG-xxx	Elective-II (Independent Study)	3
ENG-xxx	Elective-III	3
ENG-xxx	Elective-IV	3

3rd to 6th Semester

Course	Course Title	Credit Hours
ENG-xxx	PhD Thesis	3

Course Title	Credit Hours
MS. English Elective Courses (Literature)	
Contemporary Postcolonial Studies	3
War Literature	3
Literature and Globalization	3
Literature and Environment	3
Literature and Film Studies	3
Women's Writings	3
Postmodern Fiction	3
Transnational Poetry	3
Digital Humanities	3
Shakespearean Studies	3
Postmodern American Literature	3
World Literature & Translation	3
South Asian Literature	3
Diasporic Literatures	3

Course Title	Credit Hours
MS. English Elective Courses (Linguistics)	
Corpus Linguistics	3
Language and Technology	3
Psycho-Neurolinguistics	3
Advanced Stylistics	3
Anthropological Linguistics	3
Systemic Functional Linguistics	3
Critical Discourse Analysis	3
Bilingualism	3
Genre Analysis	3
Issues in Syntax	3
Applied Linguistics	3
Multilingualism	3
Teaching and Learning English in Large Classes	3
Cross-Cultural Communication	3
Theoretical Phonology	3
Phonetics	3
Language Program Management	3
Morphology & its Theoretical Foundations	3
Neuro-linguistics	3
Cognitive Linguistics	3
Sociolinguistics	3
World Englishes	3



Teaching of English as a Foreign Language (TEFL)

The programme is offered by the Department of English. The course covers practical as well as theoretical aspects of English language teaching. The course is useful not only for those teachers who are already teaching English but also beneficial for the ones who want to pursue their careers as teachers of English.

WEEKEND PROGRAM (SATURDAY - SUNDAY)

COURSE DURATION

Certification: **03 MONTHS** (Fee: Rs. 30 Thousand)

06 MONTHS (Fee: Rs. 50 Thousand)

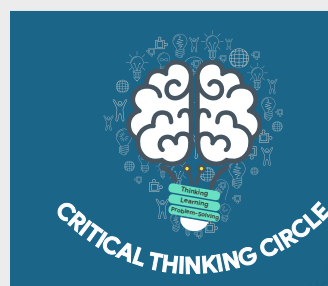
Diploma: **1 YEAR** (Fee: Rs. 80 Thousand)

ELIGIBILITY

F.Sc / FA / BS / MA / MS / M.Phil

THE DEPARTMENT OF ENGLISH
CITY UNIVERSITY OF SCIENCE & INFORMATION TECHNOLOGY,
PESHAWAR OFFERS

FICTION WRITING WORKSHOP



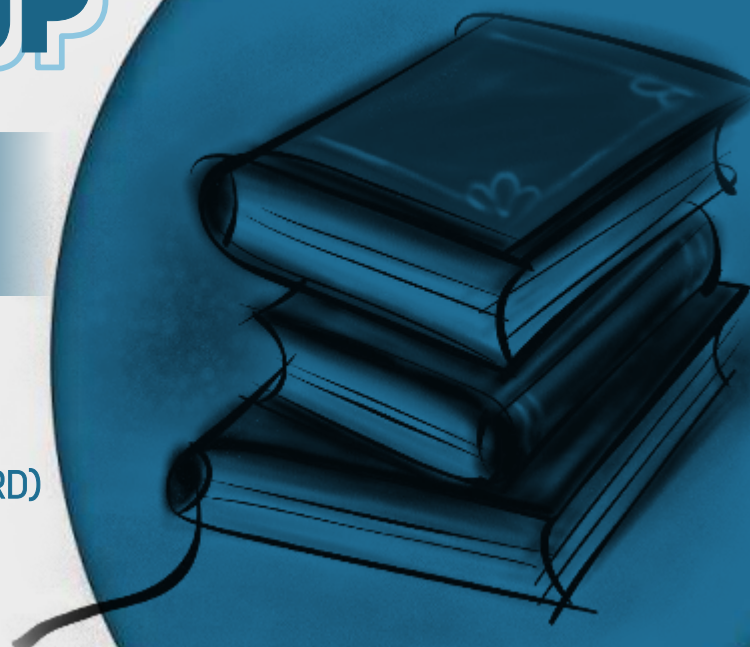
JUNE-JULY 2022
SUMMER PROGRAMME

COURSE DURATION

- 6 WEEK SERIES
(1.5 HOURS PER CLASS IS STANDARD)
- WEDNESDAY-THURSDAY
- 2-DAYS CLASS

FEE

- (FEE: RS. 30 THOUSAND)



Department of International Relations

292 BS International Relations

Shift : Morning

Duration : 4 Years, 8 Semesters, 142 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
ENG-109	Functional English-I	3
HUM-102	Pakistan Studies	3
MTS-125	Introduction to Mathematics	3
IR-101	Introduction to International Relations (F-I)	3
IR-102	Introduction to Political Science (G-I)	3
ECO-101	Introduction to Economics (G-II)	3

2nd Semester

Course	Course Title	Credit Hours
ENG-110	Functional English-II	3
HUM-101	Islamic Studies/Ethics	3
MTS-126	Introduction to Statistics	3
IR-103	Evolution of State (F-II)	3
IR-104	Introduction to History (G-III)	3
HUM-109	Introduction to Philosophy (G-IV)	3

3rd Semester

Course	Course Title	Credit Hours
ENG-124	Communication & Presentation Skills	3
CSC-117	Introduction to Computer Skills	3
IR-201	Theories of International Relations (F-III)	3
IR-202	Gen V Introduction to Law	3
HUM-207	Gen VI Introduction to Geography	3
IR-203	International Relations: 1648-1945 (F-IV)	3

4th Semester

Course	Course Title	Credit Hours
ENG-222	Composition Writing / Uni Option/ Everyday Science	3
IR-204	Globalization and International Relations (F-V)	3
IR-205	Geo political Structure of the World (VI)	3
IR-206	International Relations since 1945 (VII)	3
IR-207	Public International Law I (F VIII)	3
IR-208	Introduction to Journalism (G-VII)	3

5th Semester

Course	Course Title	Credit Hours
IR-301	Foreign Policy Analysis (M-I)	3
IR-302	Introduction to International Security (F-IX)	3
IR-303	Research Methodology (F-X)	3
IR-304	Regional and International Organizations (F-XI)	3
IR-305	Public International Law II (F-XII)	3
IR-306	International Political Economy (M-II)	3

6th Semester

Course	Course Title	Credit Hours
IR-307	Foreign Policy of Pakistan (M-III)	3
IR-308	Strategic Studies (M-IV)	3
IR-309	International Politics of Human Rights (M-V)	3
IR-310	Diplomacy (M-VI)	3
IR-311	Conflict Analysis, Management and Resolution (M-VII)	3
IR-312	Comparative Politics & International Relations (M-VIII)	3

7th Semester

Course	Course Title	Credit Hours
IR-401	Comparative Foreign Policies of US, Russia and China (M-IX)	3
IR-402	Nuclear Studies (M-X)	3
IR-403	Post Modernism in International Relations (M-XI)	3
IR-404	Elective-I	3
IR-405	Elective-II	3
IR-499	Research Thesis (M-XVIII) Or International Politics of Environment (M-XV)	3

8th Semester

Course	Course Title	Credit Hours
IR-406	Research Thesis (M-XVIII) OR Research Report (M-XVII) OR Arms Control Disarmament & Nuclear Non Proliferation (M-XII)	3
IR-407	Peace & Conflict Studies (M-XIII)	3
IR-408	Regional Connectivity and CPEC (MX-IV)	3
IR-409	Kashmir Conflict: A Protracted Conflict (M-XVI)	3
IR-410	Elective-III	3
IR-411	Elective-IV	3

Department of Pakistan Studies

BS Pakistan Studies

Shift : Morning

Duration : 4 Years, 8 Semesters, 135 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
ENG-123	English-I	3
HUM101	Islamic Studies/Ethics	3
MTS-XXX	Statistics-I	3
CSC-117	Introduction to Computing Skills	3
PKS-101	Geography of Pakistan	3
PKS-102	Introduction to Pakistan Studies as Discipline	3

2nd Semester

Course	Course Title	Credit Hours
ENG-124	English-II	3
ECO-101	Introduction to Economics	3
PKS-103	Muslim Rule in Indo Pakistan (712-1526)	3
MTS-XXX	Statistics-II	3
HUM-XXX	Pakistani Society and Culture	3
PS-101	Introduction to Political Science	3

3rd Semester

Course	Course Title	Credit Hours
ENG-203	English-III	3
PKS-XXX	Human Rights in Pakistan	3
PSY-101	Introduction to Psychology	3
PKS-202	Muslim Rule in Sub-Sontinent (1526-1857).	3
PKS-203	Introduction to Law	3

4th Semester

Course	Course Title	Credit Hours
HUM-201	Logic and Critical Thinking	3
PKS-204	Modern History of Sub Continent (1857-1947)	3
PKS-205	History and Politics of Khyber Pakhtunkhwa	3
ENG-XXX	English-IV	3
PKS-207	Economic Development of Pakistan	3
PKS-208	Introduction to International Relations	3

5th Semester

Course	Course Title	Credit Hours
PKS-301	Teaching of Pakistan Studies	3
PKS-302	Political Parties and Civil Society in Pakistan	3
PKS-303	Political and Constitutional Development in Pakistan since 1947-1973	3
PKS-304	Civil Military Bureaucracy	3
PKS-305	Muslim Reformist Movement in Sub-Continent	3

6th Semester

Course	Course Title	Credit Hours
PKS-401	Research Methodology	3
PKS-402	Political and Constitutional Development in Pakistan, Since 1973	3
PKS-XXX	Local Government in Pakistan	3
PKS-404	Pakistan and International and Regional Cooperation	3
PKS-405	Environmental Issues of Pakistan	3

7th Semester

Course	Course Title	Credit Hours
PKS-306	Legal System of Pakistan (Criminal and Civil)	3
PKS-307	Research Project / Course-I	3
PKS-XXX	Pakistan Relations with Muslim World	3
PKS-309	Elective-I	3
PKS-310	Elective-II	3
PKS-311	Social Changes and Development in Pakistan	3

8th Semester

Course	Course Title	Credit Hours
PKS-XXX	Research Project-II / Course-II	3
PKS-407	Foreign Policy of Pakistan	3
PKS-408	Elective-III	3
PKS-409	Elective-IV	3
PKS-XXX	Seminar on Contemporary Issues	3

Department of Political Science

290 BS Political Science

Shift : Morning

Duration : 4 Years, 8 Semesters, 135 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
ENG-123	English-I	3
IR-101	Introduction to International Relations	3
CSC-117	Introduction to Computing Skills	3
PS-101	Introduction to Political Science-I	3
HUM-101	Islamic Studies/Ethics	3
PS-102	History of World Civilization	3

2nd Semester

Course	Course Title	Credit Hours
ENG-124	English-II	3
PS-103	Introduction to Political Science-II	3
HUM-102	Pakistan Studies	3
PS-104	Introduction to Law	3
ECO-101	Introduction to Economics	3
MTS-115	Basic Mathematics	3

3rd Semester

Course	Course Title	Credit Hours
ENG-203	English-III	3
PS-201	Political System of Developed Countries	3
PSY-101	Introduction to Psychology	3
PS-202	Political Philosophy I(Western)	3
PS-203	Political Philosophy I(Muslim)	3
PS-204	Pakistan Movement Pre-Independence	3

4th Semester

Course	Course Title	Credit Hours
MTS-105	Statistics	3
PS-205	Political System of Developed Countries (China, France and Germany)	3
PS-206	Political Philosophy II(Western)	3
HUM-207	Introduction to Geography	3
HUM-103	Introduction to Sociology	3

5th Semester

Course	Course Title	Credit Hours
PS-301	Political System of developing Countries (India, Iran and Turkey)	3
PS-302	Principles of Public Administration	3
PS-303	International Relations since WWII	3
PS-304	Constitutional Development of Pakistan (1947-1973)	3
PS-305	Diplomacy	3
PS-306	Political Philosophy II(Muslims)	3

6th Semester

Course	Course Title	Credit Hours
PS-307	Research Methodology	3
PS-308	Foreign Policy Analysis	3
PS-309	Public Policy and Governance	3
PS-310	Social Changes and Political Development	3
PS-311	Local Government	3

7th Semester

Course	Course Title	Credit Hours
PS-401	International Law	3
PS-402	International and Regional Organizations	3
PS-403	Research Project-I / Course-I	3
PS-404	Elective-I	3
PS-405	Elective-II	3
PS-406	Foreign Policy of UK, US and China	3

8th Semester

Course	Course Title	Credit Hours
PS-407	Research Project-II / Course-II	3
PS-408	Foreign Policy of Pakistan	3
PS-409	Elective-III	3
PS-410	Conflict and Conflict Resolution	3
PS-411	Civil Military Bureaucracy	3

Department of Psychology

294 BS Psychology

Shift : Morning

Duration : 4 Years, 8 Semesters, 135 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
PSY-101	Introduction to Psychology (Foundation)	3
ENG-123	English-I (Compulsory) (functional presentation skills)	3
HUM-102	Pakistan Studies Compulsory	3
MTS-126	Statistics-I (Compulsory)	3
PSY-104	History of Psychology-I (Foundation)	3
MGT-101	Principles of Management (General)	3

2nd Semester

Course	Course Title	Credit Hours
ENG-124	English-II (Communication Skills) (Compulsory)	3
HUM-101	Islamic Studies (Compulsory)	3
PSY-105	History of Psychology-II (Foundation)	3
PSY-106	Developmental Psychology-I (Major)	3
MTS-127	Statistics-II (Compulsory)	3
PSY-107	Teaching Learning Strategies and Reflective Practices (General)	3

3rd Semester

Course	Course Title	Credit Hours
CSC-101	Introduction to Computer (Compulsory)	3
PSY-210	Developmental Psychology-II (Major)	3
PSY-209	Environmental Psychology (Foundation)	3
PSY-205	Experimental Psychology & Practicum (Experimental Psychology lab Foundation)	2+1
PSY-202	Intro to Social Psychology (Foundation)	3
ENG-102	English-III (Technical report writing) (Compulsory)	3

4th Semester

Course	Course Title	Credit Hours
PSY-201	Educational Psychology (Foundation Psychology)	3
PSY-204	Sports Psychology (Foundation)	3
PSY-203	Ethics in Psychology (Foundation)	3
PSY-209	Cognitive Psychology (Major)	3
PSY-211	Gender issues in Psychology (Major)	3
HUM-201	Logical and Critical Thinking (General)	3

5th Semester

Course	Course Title	Credit Hours
PSY-403	Personality Theories (Foundation)	3
ENG-320	English-IV (Foreign Language) (Arabic, French, Chinese) (Compulsory)	3
PSY-402	Psychological testing & Practicum (Psychological testing lab) (Foundation)	2+1
PSY-306	Psychopathology (Foundation)	3
PSY-307	Research Methods-I (Major)	3

6th Semester

Course	Course Title	Credit Hours
PSY-208	Health Psychology (Major)	3
PSY-307	Tools of Data analysis (General)	3
PSY-308	Behavioral Neuroscience (Foundation)	3
HRM-202	Human resource management (General)	3
PSY-309	Introduction to Mass Communication (General)	3
PSY-310	Research Methods-II (Major)	3

7th Semester

Course	Course Title	Credit Hours
PSY-407	Forensic Psychology (Foundation)	3
PSY-408	Cyber Psychology (Foundation)	3
PSY-409	Clinical Psychology (Major)	3
PSY-410	Counseling Psychology (Major)	3
PSY-411	Research Project-I (Major)	3

8th Semester

Course	Course Title	Credit Hours
PSY-412	Positive Psychology (Foundation)	3
PSY-413	Organizational Psychology (Foundation)	3
PSY-414	Disaster management (General)	3
PSY-415	Research Project-II (Major)	3
PSY-416	Military Psychology (Major)	3

Department of Social Sciences

0272 BS Social Science

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
ENG-111	Freshman English-I	3
HUM-101	Islamic Studies	3
CSC-101	Introduction to Computing	3
ECO-102	Micro Economics	3
MTS-115	Basic Mathematics	3
SSC-101	Introduction to Social Science	3

2nd Semester

Course	Course Title	Credit Hours
ENG-207	Freshman English-II	3
HUM-102	Pakistan Studies	3
ECO-103	Macro Economics	3
SSC-102	Introduction to Political Science	3
SSC-103	Introduction to International Relations	3
SSC-104	Introduction to Philosophy	3

3rd Semester

Course	Course Title	Credit Hours
ENG-212	Oral Communication	3
MTS-218	Statistics	3
MGT-102	Introduction to Business	3
SSC-201	International Relations and Current Affairs	3
SSC-202	Socio-Economic Development of Pakistan	3
PSY-101	Introduction to Psychology	3

4th Semester

Course	Course Title	Credit Hours
HUM-103	Sociology	3
MGT-101	Principles of Management	3
SSC-203	Peace Education	3
SSC-204	Introduction to Law	3
ENG-201	Business Communication	3
SSC-205	Introduction to History	3

5th Semester

Course	Course Title	Credit Hours
SSC-301	Environment & Sustainable Development	3
SSC-302	Ethics	3
SSC-303	Public Administration	3
SSC-304	Peace and conflict	3
SSC-305	International Laws	3
SSC-306	Gender Studies	3

6th Semester

Course	Course Title	Credit Hours
SSC-307	Research Techniques in Social Sciences	3
HRM-202	Human Resource Management	3
SSC-308	Public Policy	3
ACC-203	Financial Accounting	3
SSC-309	Human Rights	3

7th Semester

Course	Course Title	Credit Hours
HRM-302	Organization Behavior	3
SSC-401	Asian & European Studies	3
SSC-4XX	Elective-I	3
SSC-4XX	Elective-II	3
SSC-499	Research Project/Social Work/Courses	3

8th Semester

Course	Course Title	Credit Hours
SSC-402	Culture, Media & Society	3
SSC-4XX	Elective-III	3
SSC-4XX	Elective-IV	3
SSC-499	Research Project/Social Work/Courses	3

Area of Specialization for Students

- A. Sociology B. Political Science
C. Public Administration D. Management Studies
E. Peace and Conflict Studies

Department of Sociology

0284 BS Sociology

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
XXX	English-I	3
XXX	Introduction to Economics	3
XXX	Introduction to Philosophy	3
XXX	Introduction to Computing Skills	3
XXX	Introduction to Sociology	3
XXX	Islamic Studies / Ethics	3

2nd Semester

Course	Course Title	Credit Hours
XXX	English-II	3
XXX	Introduction to Psychology	3
XXX	Introduction to Law	3
XXX	Basic Mathematics	3
XXX	Everyday Science	3
XXX	Pakistan Studens	3

3rd Semester

Course	Course Title	Credit Hours
XXX	English-III	3
XXX	Introduction to Social Work	3
XXX	Introduction to Criminology	3
XXX	Introduction to Political Science	3
XXX	Introduction to Gender Studies	3

4th Semester

Course	Course Title	Credit Hours
XXX	Social Welfare	3
XXX	Social Statistics-I	3
XXX	GIS	3
XXX	Pakistani Society and Culture	3
XXX	Introduction to Demography	3
XXX	Comparative Social Institutions	3

5th Semester

Course	Course Title	Credit Hours
XXX	Rural Sociology	3
XXX	Social Mobilization	3
XXX	Social Gerontology	3
XXX	Sociology of Human Right	3
XXX	Population Studies	3
XXX	Classical Sociological Theories	3

6th Semester

Course	Course Title	Credit Hours
XXX	Sociology of Social Work	3
XXX	Human Resource Development	3
XXX	Research Methodology	3
XXX	Social Statistics-II	3
XXX	Medical Sociology	3

7th Semester

Course	Course Title	Credit Hours
XXX	Industrial Sociology	3
XXX	Project Management	3
XXX	Contemporary Sociological Thoughts	3
XXX	Sociology of Religion	3
XXX	Research Project-I (Synopsis) / Cours work-I	3

8th Semester

Course	Course Title	Credit Hours
XXX	Urban Sociology	3
XXX	Sociology of Development	3
XXX	Development of Social Thoughts	3
XXX	Field work / Internship	3
XXX	Research Report Writing / Research Practicum and Presentation / Course Work-II	3

Department of Hindko

BS Hindko

Shift : Morning

Duration : 4 Years, 8 Semesters, 130 + Credit Hours

Eligibility : Intermediate or equivalent qualification with at least 50% marks from any recognized board.

1st Semester

Course	Course Title	Credit Hours
XXX	Functional English-I	3
XXX	Islamiat	3
401	Ancient Hindko Poetry (1947)	3
402	Ancient Hindko Prose (1947)	3
403	Elementary Mathematics	3
404	An Introduction to Social Science	3

2nd Semester

Course	Course Title	Credit Hours
XXX	Functional English-II	3
XXX	Pak Studies	3
505	Modern Hindko Poetry (1947)	3
506	Modern Hindko Prose (1947)	3
XXX	Elementary Statistics	3
XXX	Computer Applications-I	3

3rd Semester

Course	Course Title	Credit Hours
XXX	Computer Applications-II	3
407	Evolution of Hindko Language	3
408	Important Literary Terminologies	3
409	An Intro. to Regional Languages	3
410	Evolution of Culture and Civilization	3
411	History of Peshawar	3

4th Semester

Course	Course Title	Credit Hours
XXX	Principles of Management	3
412	Hindko Rules of Scripting	3
413	Hindko Prosody	3
414	Hindko Character Illustration	3
415	Hindko Drama	3

5th Semester

Course	Course Title	Credit Hours
416	Hindko Religious Poetry	3
417	Hindko Religious Prose	3
418	Conventional Principles of Research	3
419	Hindko Fictional Prose-I	3
420	Hindko Non-Fictional Prose-I	3

6th Semester

Course	Course Title	Credit Hours
421	Conventional Principles of Criticism	3
422	History of Hindko Literature	3
423	Hindko Fictional Prose-II	3
424	Hindko Non-Fictional Prose-II	3
425	Hindko Translations	3
426	Hindko Classical Poets	3

7th Semester

Course	Course Title	Credit Hours
427	Saain Ahmad Ali	3
428	Iqbaliat	3
429	Hindko Travelogue	3
430	Literary Movements	3
431	Project-I	3

8th Semester

Course	Course Title	Credit Hours
432	Hindko Linguistics	3
433	Journalism in Khyber Pakhtunkhwa	3
434	An Introduction to International Classic Literature	3
435	Linguistics	3
436	Project-II	3

Department of Urdu

M.Phil Urdu

Shift : Morning
Duration : 2 Years, 4 Semesters, 30 Credit Hours
Eligibility : Sixteen years of education in a relevant subject with a minimum CGPA 2.5/4.0 or 50% marks from any HEC recognized university and qualify university.

1st Semester

Course	Course Title	Credit Hours
601	اصول تحقیق اور روایت	3
602	تنقید اور اس کے مباحث	3
603	لسانیات	3
604	علم معانی، بیان، بدیع، عروض (Minor)	3

2nd Semester

Course	Course Title	Credit Hours
605	اصول تدوین اور روایت (Fundamental)	3
606	عملی تنقید (Fundamental)	3
607	ترجمہ؛ اصول اور روایت (Fundamental)	3

3rd Semester

Course	Course Title	Credit Hours
608	تقابل مطالعہ ادبیات (Minor)	3
609	ادبی تاریخ نویسی؛ اصول اور روایت (Minor)	3
610	اردو میں مطالعہ اقبال کی روایت (Minor)	3
611	کمپیوٹر اور سافٹ ویئر (Minor)	3

4th Semester

Course	Course Title	Credit Hours
XXX	تحقیق	3



Faculty of Health Sciences

Department of
Pharmacy
Doctor of Pharmacy (Pharm-D)



Faculty Members of Pharmacy



Prof. Dr. Muhammad Ismail
Head of Department of Pharmacy /
Dean of Faculty of Health Sciences
B.Pharm, M.Phil, Ph.D

Dr. Fahim Ullah Khan Assistant Professor / Co-ordinator
Pharm-D
Ph.D (Pharmacy) University of Peshawar

Dr. Noor Ul Ain Nawaz, Assistant Professor
Pharm-D
Ph.D (Pharmacy) University of Peshawar

Ms. Beenish Gul Khattak, Lecturer
Pharm-D
M.Phil in Pharmaceutical Sciences
Ph.D (in progress) University of Swabi

Ms. Urooj Tariq, Lecturer
Pharm-D
M.Phil (Pharmacy) University of Peshawar

Ms. Rabia Azam, Lecturer
Pharm-D
MS (Pharmacy) Sarhad University of Science & I.T, Peshawar

Ms. Syeda Rabqa Zinab, Lecturer
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M.Phil (Pharmaceutics) University of Peshawar

Mr. Usman Ali, Lecturer
Pharm-D
M.Phil (Pharmacology)
Abdul Wali Khan University, Mardan

Mr. Sajid Ali, Lecturer
Pharm-D
MS (Pharmacognosy) COMSATS Institute, Islamabad

Mr. Jamal Shahzad, Lecturer
Pharm-D
M.Phil (Pharmaceutical Chemistry) University of Peshawar



Department of Pharmacy

Doctor of Pharmacy

Introduction

Being a five years degree program, pharmacy is a well-acknowledged health care profession that links health sciences with chemical & biological sciences. It is a knowledge of safe and effective usage of drugs and medicines in all health care practices. Currently, department of pharmacy at CUSIT is aiming to produce professionally competent & legally qualified pharmacists who offer their services as Drug Inspector, Clinical Pharmacist, Hospital Pharmacist, Retail Pharmacist, Community Pharmacist, Quality Control Analyst, Academician, Drug Regulator, Industrial Pharmacist & Pharmaceutical Scientist. Their role as pharmacist would be indispensable in the deliverance of all health care services.

Mission

To provide state of the art pharmacy education and research driven academic program to develop global competencies among student by adopting best teaching practices and updated resources.

Vision

- To ensure highest standards of quality education and to create a flagship and stable position amongst the competing institutions.
- To provide leadership in pharmaceutical sciences and to equip its professional programs with the demand and ever-changing market needs and with assurance of a superior job market for its graduates at national & international levels.

Number of Seats Allocated by Pharmacy Council of Pakistan(PCP)

100 students divided into two sections of 50 each (Open merit).

Eligibility

- Intermediate Science / 'A' Level (PRE-MEDICAL) minimum marks of 60% aggregate from any recognized board.
- Passed a higher examination of a Pakistani university with biological sciences provided that the candidate has passed the intermediate examination. (PRE-MEDICAL)



Medicinal Plants Collection Tour

Department of Pharmacy

280 Doctor of Pharmacy (Pharm-D)

Shift : Morning

Duration : 5 Years, 10 Semesters, 198 Credit Hours

Eligibility : Intermediate Science / 'A' Level (PRE-MEDICAL) minimum marks of 60% aggregate from any recognized board.
Passed a higher examination of any Pakistani university with biological sciences provided that the candidate has passed the intermediate examination (PRE-MEDICAL).

1st Professional Pharm-D

1st Semester

Course	Course Title	Credit Hours
ENG 116(2)	English-A (Functional English)	2
PH-101	Pharmaceutics-IA (Physical Pharmacy)	3+1
PH-102	Pharmaceutical Chemistry-IA (Organic)	3+1
PH-103	Pharmaceutical Chemistry-IIA (Biochemistry)	3+1
PH-104	Physiology-A	3+1
PH-105	Anatomy & Histology	3+1

2nd Semester

Course	Course Title	Credit Hours
ENG-132	English-B (Communication & Writing skills)	4
PH-106	Pharmaceutics-IB (Physical Pharmacy)	3+1
PH-107	Pharmaceutical Chemistry-IB (Organic)	3+1
PH-108	Pharmaceutical Chemistry-IIB (Biochemistry)	3+1
PH-109	Physiology-B	3+1

2nd Professional Pharm-D

3rd Semester

Course	Course Title	Credit Hours
HUM-101	Islamic Studies	3
PH-201	Pharmaceutics-IIA (Dosage Forms Science)	3+1
PH-202	Pharmaceutics-IIIA (Pharmaceutical Microbiology & Immunology)	3+1
PH-203	Pharmacology and Therapeutics-IA	3+1
PH-204	Pharmacognosy-IA (Basic)	3+1
PH-205	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3

4th Semester

Course	Course Title	Credit Hours
HUM-102	Pakistan Studies	2
PH-206	Pharmaceutics-IIB (Dosage Forms Science)	3+1
PH-207	Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology)	3+1
PH-208	Pharmacology and Therapeutics-IB	3+1
PH-209	Pharmacognosy-IB (Basic)	3+1
PH-210	Pharmacy Practice-IB (Bio-Statistics)	3

3rd Professional Pharm-D

5th Semester

Course	Course Title	Credit Hours
PH-301	Pharmacy Practice-IIA (Dispensing Pharmacy)	3+1
PH-302	Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis)	3+1
PH-303	Pharmacology and Therapeutics-IIA	3+1
PH-304	Pharmacognosy-IIA (Advanced)	3+1
PH-305	Pathology	3+1

6th Semester

Course	Course Title	Credit Hours
PH-306	Pharmacy Practice-IIB (Community, Social & Administrative Pharmacy)	3
PH-307	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis)	3+1
PH-308	Pharmacology and Therapeutics-IIB	3+1
PH-309	Pharmacognosy-IIB (Advanced)	3+1
PH-310	Pharmacy Practice-III (Computer and its Applications in Pharmacy)	3+1



Department of Pharmacy

4th Professional Pharm-D

7th Semester

Course	Course Title	Credit Hours
PH-401	Pharmacy Practice-IVA(Hospital Pharmacy)	3
PH-402	Pharmacy Practice-VA (Clinical Pharmacy-I)	3+1
PH-403	Pharmaceutics-IVA (Industrial Pharmacy)	3+1
PH-404	Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	3+1
PH-405	Pharmaceutics-VIA (Pharmaceutical Quality Management)	3+1

8th Semester

Course	Course Title	Credit Hours
PH-406	Pharmacy Practice-IVB (Hospital Pharmacy)	3
PH-407	Pharmacy Practice-VB (Clinical Pharmacy-I)	3+1
PH-408	Pharmaceutics-IVB (Industrial Pharmacy)	3+1
PH-409	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	3+1
PH-409	Pharmaceutics-VIB (Pharmaceutical Quality Management)	3+1

5th Professional Pharm-D

9th Semester

Course	Course Title	Credit Hours
PH-501	Pharmaceutics-VIIA (Pharmaceutical Technology)	3+1
PH-502	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II)	3+1
PH-503	Pharmacy Practice-VIIA (Forensic Pharmacy)	3
PH-504	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing)	3
PH-505	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)	3+1

10th Semester

Course	Course Title	Credit Hours
PH-506	Pharmaceutics- VIIB (Pharmaceutical Technology)	3+1
PH-507	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II)	3+1
PH-508	Pharmacy Practice-VIIB (Forensic Pharmacy)	3
PH-509	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing)	3
PH-510	Pharmaceutical Chemistry-IVB (Medicinal Chemistry)	3+1

Pharm-D Five-Year Credit Hours Summary

Pharm-D Professional	1st Semester Credit Hours	2nd Semester Credit Hours	Total Credit Hours
1st	22	20	42
2nd	22	21	43
3rd	20	19	39
4th	19	19	38
5th (Final)	18	18	36
Total Credit Hours	101	97	198



Department of **Health Sciences**

Doctor of Physical Therapy (DPT)

BS Medical Laboratory Technology (MLT)

BS Dental Technology

BS Anesthesia Technology

BS Microbiology

MS Healthcare Management



Faculty Members of Health Sciences



Dr. Lalina Maroof

Head of Department / Assistant Professor
Ph.D (Microbiology)
University of Peshawar

Dr. Farhan Haleem (PT), Lecturer
MS NMPT
Riphah International University, Islamabad

Dr. Aleena Mustafa (PT), Lecturer
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Dr. Maryam Khan Khundi, Lecturer
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University of Salford, UK

Dr. Fida Hussain (PT), Lecturer
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Khyber Medical University Peshawar

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City University of Science & I.T, Peshawar

Department of Health Sciences

Doctor of Physical Therapy

Rationale

Physical Therapy is an essential segment of modern health care system. It is a “science of healing and art of caring”. It pertains to the Clinical Examination, Evaluation, assessment, diagnosis and treatment of Musculoskeletal, Neurological, Cardio-Vascular and Respiratory systems functional disorders including symptoms of pain, edema, Physiological, structural and psychosomatic ailments. It deals with methods of treatment based on movement, manual therapy, physical agents, and therapeutics modalities to relieve the pain and other complications.

Hence, Physical Therapy covers basic parameters of healing sciences i.e. preventive, promotive, diagnostic, rehabilitative, and curative.

Goals of the Programme

The purpose of the Doctor of Physical Therapy programme (DPT) is to prepare physical therapists who will:

- be primary providers of physical therapy care.
- serve as responsible members in the professional community, and are willing to be able to assume leadership roles in the communities they serve.
- identify researchable problems, advocate and participate in research, and incorporate research findings into clinical practice.
- understand and place in context the social, economic and cultural issues of practice, and effectively advocate for changes in policy.
- correlate theory with practice and think creatively about, react to, adapt or shape new practice environments.
- participate in, and provide education for communities, patients, peers, students and others.



Department of Health Sciences

266 Doctor of Physical Therapy (DPT)

Shift : Morning

Duration : 5 Years, 10 Semesters, 172 Credit Hours

Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 60% from any recognized board.

1st Semester

Course	Course Title	Credit Hours
DPT-101	Anatomy-I	4 (3-1)
DPT-102	Physiology-I	3 (2-1)
DPT-103	Kinesiology-I	3 (2-1)
ENG-116	English-I (Functional English)	3 (3-0)
HUM-102	Pakistan Studies	2 (2-0)
CSC-101	Introduction to Computer	3 (2-1)

2nd Semester

Course	Course Title	Credit Hours
DPT-104	Anatomy-II	4 (3-1)
DPT-105	Physiology-II	3 (2-1)
DPT-106	Kinesiology-II	3 (2-1)
ENG-101	English-II (Communication Skills)	3 (2-1)
HUM-101	Islamic Studies / Ethics	2 (2-0)
HUM-103	Sociology	2 (2-0)

3rd Semester

Course	Course Title	Credit Hours
ENG-208	English-III (Technical Writing & Presentation Skills)	3 (3-0)
DPT-201	Medical Physics	3 (2-1)
DPT-202	Anatomy-III	3 (2-1)
DPT-203	Physiology-III	3 (2-1)
DPT-204	Biomechanics & Ergonomics-I	3 (3-0)
DPT-205	Biochemistry-I	2 (2-0)

4th Semester

Course	Course Title	Credit Hours
DPT-206	Anatomy-IV (Neuro Anatomy)	3 (2-1)
DPT-207	Biomechanics & Ergonomics-II	3 (2-1)
DPT-209	Health & Wellness	2 (2-0)
DPT-208	Biochemistry-II	3 (2-1)
DPT-210	Exercise Physiology	3 (2-1)
DPT-211	Molecular Biology & Genetics	2 (2-0)

5th Semester

Course	Course Title	Credit Hours
DPT-301	Pathology & Microbiology-I	2 (2-0)
DPT-302	Pharmacology & Therapeutics-I	2 (2-0)
DPT-303	Physical Agents & Electrotherapy-I	3 (2-1)
DPT-304	Therapeutic Exercises & Techniques	3 (2-1)
DPT-305	Biostatistics-I	3 (3-0)
DPT-306	Behavioral Sciences (Psychology & Ethics)	2 (2-0)
DPT-307	Supervised Clinical Practice-I	3 (0-3)

6th Semester

Course	Course Title	Credit Hours
DPT-308	Pathology & Microbiology-II	3 (2-1)
DPT-309	Pharmacology-II	2 (2-0)
DPT-310	Physical Agents & Electrotherapy-II	3 (2-1)
DPT-311	Manual Therapy	3 (2-1)
DPT-312	Teaching Methodology & Community Medicine	3 (3-0)
DPT-313	Supervised Clinical Practice-II	3 (0-3)

7th Semester

Course	Course Title	Credit Hours
DPT-401	Medicine-I	3 (3-0)
DPT-402	Surgery-I	3 (3-0)
DPT-403	Radiology & Diagnostic Imaging	3 (2-1)
DPT-404	Musculoskeletal Physical Therapy	3 (2-1)
DPT-405	Evidence Based Practice	3 (2-1)
DPT-406	Supervised Clinical Practice-III	3 (0-3)

8th Semester

Course	Course Title	Credit Hours
DPT-407	Medicine-II	3 (3-0)
DPT-408	Surgery-II	3 (3-0)
DPT-409	Neurological Physical Therapy	3 (2-1)
DPT-410	Scientific Inquiry & Research Methodology	3 (2-1)
DPT-411	Emergency Procedures & Primary Care in Physical Therapy	3 (2-1)
DPT-412	Supervised Clinical Practice-IV	3 (0-3)

9th Semester

Course	Course Title	Credit Hours
DPT-501	Cardiopulmonary Physical Therapy	3 (2-1)
DPT-502	Prosthetics & Orthotics	2 (2-0)
DPT-503	Clinical Decision Making & Differential Diagnosis	3 (3-0)
DPT-511	Biostatistics-II	3 (3-0)
DPT-506	Professional Practice (Laws, Ethics & Administration)	2 (2-0)
DPT-504	Integumentary Physical Therapy	2 (2-0)
DPT-505	Supervised Clinical Practice-V	3 (0-3)

10th Semester

Course	Course Title	Credit Hours
DPT-507	Obstetrics & Gynaecological Physical Therapy	2 (2-0)
DPT-508	Paediatric Physical Therapy	2 (2-0)
DPT-509	Gerontology & Geriatric Physical Therapy	2 (2-0)
DPT-510	Sports Physical Therapy	2 (2-0)
DPT-512	Supervised Clinical Practice-VI	4 (0-4)
DPT-599	Research Project	6

Department of Health Sciences

264 BS-Medical Laboratory Technology (MLT)

Shift : Morning

Duration : 4 Years, 8 Semesters, 135 Credit Hours

Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

Objectives: To prepare a cadre of health technologists, who can effectively enhance the ability of doctors in the delivery of quality health services.

- To prepare paramedical workers for all levels of health care delivery system from basic to the advanced level.
- To introduce and impart standard technical education with new modern techniques, within the fields of medical technologies, by replacing the conventional methods of pre-service training (certificate level).
- To provide medical workers a status and recognition in the health care delivery system through improving their capacity along with increasing awareness of their responsibilities, authority and job description.
- To equip medical staff with modern skills and latest technical knowledge and bring them at par with other national and international standards.

1st Semester

Course	Course Title	Credit Hours
CSC-117(2)	Computer Skills	2
ENG-123	English-I	2
HUM-101(2)	Islamic Studies	2
MLT-101(4)	Bio Chemistry-I	4
MLT-102(4)	Human Physiology-I	4
MLT-103(4)	Human Anatomy-I	4

2nd Semester

Course	Course Title	Credit Hours
ENG-124	English-II	2
HUM-102	Pakistan Studies	2
MLT-104	Bio Chemistry-II	4
MLT-105	Human Physiology-II	4
MLT-106	Human Anatomy-II	4

3rd Semester

Course	Course Title	Credit Hours
ENG-125	Communication & Presentation Skills	2
MLT-201	General Pathology-I	3
MLT-202	General Pharmacology-I	3
MLT-203	Clinical Bacteriology	3
MLT-204	Hematology-I	3
MLT-205	Human Genetics	3

4th Semester

Course	Course Title	Credit Hours
MLT-206	General Pharmacology-II	3
MLT-207	General Pathology-II	3
MLT-208	RBCs Disorders	3
MLT-209	Clinical Virology & Mycology	3
MLT-210	Chemical Pathology	3
MLT-211	Behavioural Sciences	2

5th Semester

Course	Course Title	Credit Hours
MLT-301	WBC's Platelets Disorder	3
MLT-302	Histopathology	3
MLT-303	Bioinformatics	3
MLT-304	Clinical Parasitology	3
MLT-305	Clinical Pathology	3
MLT-306	Biotechnology	2

6th Semester

Course	Course Title	Credit Hours
MLT-307	Medical Lab Instrumentations	3
MLT-308	Biostatistics	3
MLT-309	Immunology & Serology	3
MLT-310	Research Methodology	3
MLT-311	Blood Banking	3
MLT-312	Advances in Medical Lab Tech.	2

7th Semester

Course	Course Title	Credit Hours
MLT-401	Medical Lab. Management Skills	3
MLT-402	Fundamentals of Infection Control	2
MLT-403	Molecular Biology	3
MLT-405	Systematic Diagnostic Bacteriology	3
MLT-406	Cytology & Cytogenetics	3
MLT-499(3)	Final Year Project (Phase-I)	3

8th Semester

Course	Course Title	Credit Hours
MLT-404	Epidemiology	2
MLT-407	Seminar	1
MLT-408	Medical Sociology	3
MLT-409	Bioethics	2
MLT-499(ii)(3)	Final Year Project (Phase-II)	3

Department of Health Sciences

288 BS-Dental Technology

Shift : Morning

Duration : 4 Years, 8 Semesters, 135 Credit Hours

Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

Objectives:

- To perform an effective role in the field of dentistry to improve the community dental health.
- To provide dental therapist/technologists a status and recognition in the dental care delivery system through improving their capability and increasing awareness of their responsibilities.
- To assist Maxillofacial surgeons during surgeries.
- To perform effective role in delivering the conservative treatment for the primary teeth.
- To enable the Dental Technologists of a fabricate prosthodontic appliances, crown and bridges, orthodontic appliances and surgical splints etc.
- To provide primary dental care services to the community.
- To enable the dental Technologist performs the exodontia of primary teeth and simple permanent teeth.

1st Semester

Course	Course Title	Credit Hours
DEN-103	Biochemistry-I	3+1
DEN-102	Human Physiology-I	3+1
DEN-101	Human Anatomy-I	3+1
ENG-123	English-I	2+0
HUM-101	Islamic Studies	2+0
CSC-117	Computer Skills	1+1

2nd Semester

Course	Course Title	Credit Hours
DEN-106	Biochemistry-II	3+1
DEN-105	Human Physiology-II	3+1
DEN-104	Human Anatomy-II	3+1
ENG-124	English-II	2+0
HUM-102	Pak Studies	2+0

3rd Semester

Course	Course Title	Credit Hours
DEN-201	General Pathology-I	2+1
DEN-202	General Pharmacology-I	2+1
ENG-125	Communication & Presentation Skills	2+0
DEN-203	Microbiology	2+1
DEN-204	Dental Materials-I	2+1
DEN-205	Oral Histology	2+1

4th Semester

Course	Course Title	Credit Hours
DEN-207	Behavioral Sciences	2+0
DEN-208	Tooth Morphology	2+1
DEN-209	Dental Materials-II	2+1
DEN-210	Periodontology	2+1
DEN-211	Oral Pathology And Oralmedicine	2+1
DEN-212	Pharmacology-II	2+1

5th Semester

Course	Course Title	Credit Hours
DEN-301	Partial Denture Prosthodontics	2+1
DEN-302	Orthodontics-I	2+1
DEN-303	Minor Oral Surgery-I	2+1
DEN-304	Community & Preventive Dentistry	2+1
	Fundamentals of Oral and	2+1
DEN-305	Maxillofacial Radiology	
DEN-306	Conservative Dentistry-I	2+1

6th Semester

Course	Course Title	Credit Hours
DEN-307	Biostatistics	2+1
DEN-308	Research Methodology	2+1
DEN-309	Conservative Dentistry-II	2+1
DEN-310	Complete Denture Prosthodontics	2+1
DEN-311	Maxillofacial Prosthodontics	2+1
DEN-312	Paediatric Dentistry	2+1

7th Semester

Course	Course Title	Credit Hours
DEN-401	Orthodontics-II	2+1
DEN-402	Fixed Prosthodontics	2+1
DEN-403	Fundamentals Of Implantology	2+1
DEN-404	Medical Emergencies In Dental Practice	2+1
DEN-405	Minor Oral Surgery-II	2+1
DEN-499	Final Year Project-I	0+3

8th Semester

Course	Course Title	Credit Hours
DEN-499	Final Year Project-II	0+3
DEN-406	Bioethics	2+0
DEN-407	Fundamental of Infection Control	2+0
DEN-408	Epidemiology	2+0

Department of Health Sciences

286 BS-Anesthesia Technology

Shift : Morning

Duration : 4 years, 8 semesters, 130 credit hours

Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

Introduction:

The BS Anesthesia course is a four years degree programmed aimed at training students in the technological spheres of anesthesia care with a good scientific foundation. These students will be in a position to assist the health care provider (Anesthesiologist, Surgeon). On completion of the course they will play a key role in determine the quality of health care facilities in the province, country and across the globe. With advance training in the latest technology these students will able to open the door of new research in anesthesia technology and ensure the safety of the patient at the maximum.

Objectives:

To equip the anesthesia technologist with modern skills and latest technical knowledge to help in health care delivery system and to prepare the graduate for higher studies and research purpose.

1st Semester

Course	Course Title	Credit Hours
ANE-103	Medical Biochemistry-I	4(3+1)
ANE-102	Human Physiology-I	4(3+1)
ANE-101	Human Anatomy-I	4(3+1)
ENG-123	English-I	2(2+0)
HUM-101	Islamic Studies	2(2+0)
CSC-117	Computer Skills	2(1+1)

2nd Semester

Course	Course Title	Credit Hours
ANE-106	Biochemistry-II	4(3+1)
ANE-105	Human Physiology-II	4(3+1)
ANE-104	Human Anatomy-II	4(3+1)
ENG-124	English-II	2(2+0)
HUM-102	Pak Studies	2(2+0)

3rd Semester

Course	Course Title	Credit Hours
ANE-201	Anatomy Related to Anesthesia	3(2+1)
ANE-202	General Pathology-I	3(2+1)
ANE-203	General Pharmacology-I	3(2+1)
ANE-204	Microbiology	3(2+1)
ANE-205	Hematology	3(2+1)
ENG-125	Communication & Presentation Skill	2(2+0)

4th Semester

Course	Course Title	Credit Hours
ANE-206	Physiology Related to Anesthesia	3(2+1)
ANE-207	Physics Related To Anesthesia	3(2+1)
ANE-208	Community Medicine	2(2+0)
ANE-209	Blood Banking	3(2+1)
ANE-210	General Pathology-II	3(2+1)
ANE-211	General Pharmacology-II	3(2+1)

5th Semester

Course	Course Title	Credit Hours
ANE-301	Pharmacology Related to Anesthesia	3(2+1)
ANE-302	Anesthesia Equipment	3(2+1)
ANE-303	History taking Pre-Operative Assessment & Medication	3(2+1)
ANE-304	Post-OPE Care	
ANE-305	Anesthesia and Co-Existing Diseases	3(2+1)
	Critical Care	3(2+1)
ANE-306	Leadership And Management	2(2+0)

6th Semester

Course	Course Title	Credit Hours
ANE-307	Different Types of Anesthesia	3(2+1)
ANE-308	Anesthesia Related Complications & Their Management	3(2+1)
ANE-309	Anesthesia For Cardiothoracic Surgery	3(2+1)
ANE-310	Anesthesia For Neuro,emergency & Geriatric Surgery	3(2+1)
ANE-311	Research-Methodology	3(2+1)
ANE-312	Biostatics	3(2+1)

7th Semester

Course	Course Title	Credit Hours
ANE-401	Anesthesia For General Surgery/ Orthopedic & Urological Procedures	3(2+1)
ANE-402	Anesthesia For Eye Surgical Procedures	3(2+1)
ANE-403	Anesthesia For Ear, Nose, Throatsurgery	3(2+1)
ANE-404	Anesthesia For Obstetric & Pediatricsurgery	3(2+1)
ANE-405	Electrocardiograph For Anesthetist	3(2+1)
ANE-499	Final Year Project-I	3(0+3)

8th Semester

Course	Course Title	Credit Hours
ANE-406	Epidemiology	2(2+0)
ANE-499	Final Year Project-II	3(0+3)
ANE-407	Seminar	1(1+0)
ANE-408	Anesthesia For Dental, Maxilofical,	3(2+1)
ANE-409	Head And Neck Surgery	
ANE-410	Bioethics	2(2+0)

Department of Health Sciences

282 BS-Microbiology

Shift : Morning

Duration : 4 years, 8 semesters, 130 credit hours

Eligibility : F.Sc. (Pre-Medical) equivalent with a minimum of 50% from any recognized board.

Objectives: The curriculum designed for the BS Microbiology will prepare the graduates to cope up with the issues for wide spectrum of areas including Medicine, Dairy, Poultry, Agriculture and Industry. These groomed men power will play a vital role in the economic growth, and would bring qualitative change in the above mentioned areas in the country. Internship in the curriculum will provide hands on experience in different fields mentioned above. It will also create awareness about public health and safety, and facilitate the establishment of liaison among Microbiologist with society & industry.



1st Semester

Course	Course Title	Credit Hours
ENG-116	Functional English	3
HUM-101	Islamiat	2
CSC-116	Introduction to Computer	2
MB-101	Fundamentals of Microbiology	4 (3+1)
MB-102	Biochemistry-I	3 (2+1)
MTS-115	Mathematics	3

2nd Semester

Course	Course Title	Credit Hours
HUM-102	Pakistan Studies	2
MB-103	Biostatistics	2
MB-104	Principles of Genetics	4 (3+1)
MB-105	Biodiversity of Plants	3 (2+1)
MB-106	Biodiversity of Animals	3 (2+1)
MB-107	Biochemistry-II	3 (2+1)

3rd Semester

Course	Course Title	Credit Hours
MB-201	Ecosystem	3 (2+1)
MB-202	Cell Biology -I	4 (3+1)
MB-203	Microbial genetics	4 (3+1)
MB-204	Human genetics	3 (2+1)
MB-205	Environmental Microbiology	3 (2+1)

4th Semester

Course	Course Title	Credit Hours
MB-206	Microbial Physiology	4 (3+1)
MB-207	Microbial Ecology	4 (3+1)
MB-208	Cell Biology-II	4 (3+1)
MB-209	Immunology	3 (2+1)
MB-210	Bacterial Metabolism	4 (3+1)

5th Semester

Course	Course Title	Credit Hours
MB-301	Food and Dairy Microbiology	3 (2+1)
MB-302	Recombinant DNA Technology	3 (2+1)
MB-303	Medical Microbiology	3 (2+1)
MB-304	Microbial Diversity	3 (2+1)
MB-305	Molecular mechanism of Gene Expression	3 (2+1)
MB-306	Soil and Agriculture Microbiology	3 (2+1)

6th Semester

Course	Course Title	Credit Hours
MB-307	Industrial Microbiology	4 (3+1)
MB-308	Human genetic diseases and their Diagnosis	3 (2+1)
MB-309	Plant Pathology	3 (2+1)
MB-310	Chromosomal abnormalities and genetic counseling	2
MB-311	Virology	3 (2+1)
MB-312	Bioinformatics	2 (1+1)

7th Semester

Course	Course Title	Credit Hours
MB-401	Molecular genetics of yeast	4 (3+1)
MB-402	Ethical issues of Genetics	2
MB-403	Biodegradation and Bioremediation	3 (2+1)
MB-404	Gene Therapy	3 (2+1)
MB-405	Antiviral Agents	3 (2+1)
MB-406	Research Methodology	2

8th Semester

Course	Course Title	Credit Hours
MB-407	Industrial Microbiology-II	3 (2+1)
MB-408	Plant Biotechnology	3 (2+1)
MB-409	Seminar	2 (0+2)
MB-499	Research Project	8 (0+8)

Department of Health Sciences

000 MS-Healthcare Management

Shift : Weekend

Duration : Minimum 1.5 years, 3 semesters, 30 credit hours

Eligibility : Sixteen years of education with 50% marks in the annual system or 2.5 CGPA on the scale of 4.00 (Semester System) from HEC recognized University/degree awarding institutions in any Medical/ Allied Health Sciences/Social Sciences/Management sciences or equivalent qualification.

Introduction:

Healthcare is one of the fastest-growing sectors today. Behind every hospital or medical practice are healthcare managers who keep everything running smoothly and are responsible for overseeing areas such as quality of care and budgeting. Healthcare managers perform tasks of supervising, maintaining budgets, dealing with organizational operations, implementing various policies, and communicating with staff and sub-ordinates. They are also dealing with planning to optimize existing facilities, seeking operational solutions, tackles new processes and future plans, develops new contracts and maintains old ones, and deals with new challenges in healthcare planning. The administrator is responsible for bridging the gap between the hospital board and medical staff; recruiting, hiring, and training new staff or members of the organization; integrating and monitoring all the activities in the whole organization.

Specialization: Public Health / Hospital Management

1st Semester

Course	Course Title	Credit Hours
xxx	Healthcare Systems	3
xxx	Advanced Research Methods	3
xxx	Elective-I	3
xxx	Elective-II	3

2nd Semester

Course	Course Title	Credit Hours
xxx	Epidemiology and Biostatistics	3
xxx	Health Care Laws, Policies and Regulations	3
xxx	Elective-III	3
xxx	Elective-IV	3

3rd Semester

Course	Course Title	Credit Hours
xxx	Research Thesis / Project / Two additional courses	6

Elective Courses for Specialization in MS HCM

A. Public Health

Applied Data Analysis
Corporate Governance
Environmental and Occupational Health
Environmental Health
Financial Management in Healthcare
Global health issues
Global Public Health
Health disparities
Health Economics
Health promotion and disease prevention
Health security
Health System Monitoring & Evaluation
Healthcare Information Systems
Healthcare Marketing
Healthcare Operations Management
Healthcare Quality and Safety
HRM in Healthcare Organizations
Innovation and Entrepreneurship in Healthcare
Leadership and organizations behavior in Healthcare
Managerial Decision Making
Nutrition and health
Primary Healthcare
Public health informatics
Quality Assurance and Quality Control
Reproductive and Child Health Programs and Interventions

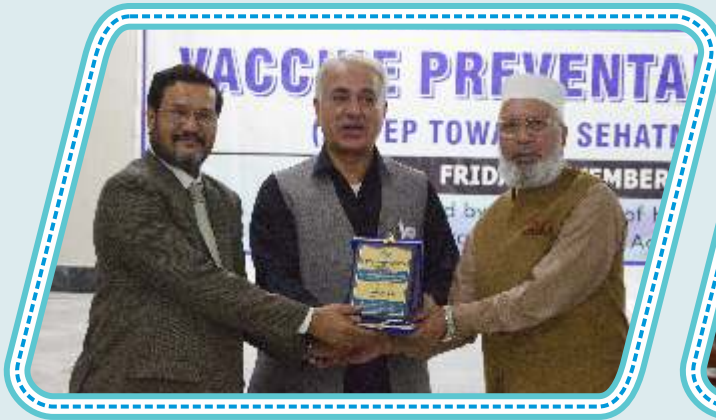
B. Hospital Management

Advanced Infection Prevention and Control
Emergency and Disaster Management
Financial Management in Healthcare
Fundamentals of Hospital Management
Healthcare Analytics and Decision Making
Healthcare Communication and Interpersonal Skills
Healthcare facility planning and design
Healthcare Finance and Accounting
Healthcare Informatics
Healthcare Information Privacy and Security
Healthcare Innovation and Entrepreneurship
Healthcare Leadership and Change Management
Healthcare Leadership and Governance
Healthcare Marketing and Public Relations
Healthcare project management
Healthcare Risk Management
Healthcare Supply Chain Management
Healthcare Technology Management
Hospital Information System
HRM in Healthcare Organizations
Operations Management in Hospitals
Organizational Behavior and Leadership
Quality Improvement and Patient Safety
Quality Management in Hospitals
Quality, Risk and Performance Management

*The Department can offer any other course with the availability of teachers

Department of Health Sciences

EVENTS AND ACHIEVEMENTS



CU-CSR

Establishment of the "City University-Consultancy Services & Research" Islamabad

City University established an independent subsidiary company for Consultancy Services & Research in Islamabad in 2015 with an aim to bridge industry-academia gap through interactions with industry people, CUSIT students and faculty members. Their involvement in industry needed applied research, their engagements as resource persons and interns in industries, capacity building of students towards market related employability, skills for becoming job-ready-resource, working with partners to arrange corporate training and efficient solution oriented services for public consumption. Recently, a sub-suit has been added to this platform as City-Soft' to develop software applications for open consumer markets with the help of university students and graduates.

Vision

To improve lives of learners through continuous learning to contribute in national development.

Mission

To enable effective human resource development through focused training and consultancy support for supplying workable solutions to industries and institutions.

Primary Objective

This centre works to look after the welfare of university students, faculty members, and administrative managers/staff to help develop their linkages and capacities for engagements with wider community circles, including industry, general services and academia.

Other Key Objectives

- To train students develop industry skills.
- To organize alumni gatherings and keep follow up.
- To link students in internships and training opportunities.
- To link students with industry for applied research.
- To arrange managerial staff training.
- To arrange faculty development sessions.
- To provide leadership development training for corporate clients.
- To form an Industry-Advisory Board to advise on bridging the gaps between industry and academia.
- To sign up innovative partnerships with key players in new learning areas and innovative technologies and solutions for wider usage at community levels.

Key Interventions and Services

- Industry-Academia Support Services.
- Accreditation and Policy Support for CUSIT.
- Establishment of Industry Advisory Board of CUSIT.
- Survey for market needed research topics for final year students.
- Capacity and skills training courses for students, faculties and managerial staff.
- Students Internships.
- Market/corporate training programs of capacity building.
- Partnerships for promoting learning fabric and opportunities for all interested.

CU-CSR

Key Activities

Spotlights

- Several students career planning and training sessions held at Peshawar and Islamabad in routine
- Several internship batches organized and completed at Peshawar and Islamabad in routine
- Mentorship roles opted for US-PAUN Mentorship Program each year for USGRAD Scholars in routine
- Several Training and Capacity Building Sessions for PMEIs Principals, Vice Principals and Senior Staff arranged in Peshawar and Islamabad in routine
- Several Faculty Development and Motivation Sessions arranged for university faculties with several industry and academia leaders from Pakistan and abroad
- Several guest speakers and industry practitioners enabled to meet CUSIT students for motivational interactions for learning and development
- Twenty weeks long leadership & Managerial Capacity Building Program' for Senior Production Managers of 'Nishat Textile Group' arranged and completed at Nishat Mill site in Lahore
- Three weeks long leadership and Management Development course in project design, Management and Monitoring arranged and completed for Local Government & Rural Development Directorate Staff of Gilgit-Baltistan in CUSIT, Peshawar.
- An association signed with 'Google Educator Groups Lead' to organize and execute Google Educator Groups Pakistan Summit in fall of 2017 in six major cities of Pakistan as lead partner
- Several internship attachments arranged for CUSIT students internally and externally
- Several short training courses held at Islamabad for market and industry professionals including the themes of Project Management, Procurement & Contract Management, Entrepreneurship Management, Scrum Masters, and other related soft skills topics
- Supported PMEIs in designing and launching its Franchise School Model System
- Support to CUSIT in several ways towards improving quality and work efficiency of various work pieces
- Signed several MOUs and agreements with different organizations to launch innovative activities and efforts to promote healthy environments, including launching of first KPK Healthy Kids Program with NESTLE, launching of first Healthy Women Program in KPK with NESTLE, Launching of Women Digital League Program in Peshawar with WDL
- Arranging and executing a mega job fair for CSUIT students in Peshawar
- Participation in several national events and conferences in Peshawar, Islamabad and Lahore
- Advisory and technical back-stopping support to PMEIs in several ways for various developments and enhancements
- An agreement signed and executed with All World Network [AWN] – USA to promote Pakistan fast Growth Program for Growing Enterprises during 2015- 2016

Establishment of City Soft

- To work on industry-academia linkage.
- To polish the skills of CUSIT graduates.
- To prepare graduates for competitive industry.



City University Career Development Centre (CU-CDC)

The continuous assessment, counseling and development of students and staff are precursors of high quality education and research. The City University Career Development Centre (CU-CDC) has been established mainly with the following objectives:

- To provide Career Development Services to students, Alumni and staff, enabling them to make effective career choices.
- To explore opportunities for staff, students and Alumni for exploring and fostering strong professional networks with employers and other institutions
- The centre will assess the training needs of students and staff for their development in their career paths.

The centre will function under following sections:

- Students Support Section
- Students Counseling and Wellness (SCWO) Section
- Internship, Placement & Alumni (IPA) Section
- Industry Liaison Section

CDC is working directly under the guidance of Vice Chancellor, where the individual performance of each student is reviewed on monthly basis under Integrated Counseling System (ICS). The department HoDs, Department Counselors, faculty and parents of the students are involved in this process.

The Internship and Placement section plans various courses and trainings for the students in the areas of personal development, communication presentation skills, and interview skills etc. The section is also connects students and graduates with the employers, through internships and job placements. It also involves them in various curricular & co-curricular activities, alumni feedback and curriculum review meetings.

The Industrial Liaison Section collaborates with industries at local and national levels. Visits of students to industries and sites are arranged. They also interact with industry and business concerns for identifying areas of common interest including areas of research, staff development etc. They also undertake MoUs with various industries and international universities and HEIs in consultation with Director ORIC.



Office of Research Innovation & Commercialization (ORIC)



Dr. Mohammad Haroon Khan
Director ORIC

Introduction

The Office of Research, Innovation & Commercialization (ORIC) at City University of Science and Information Technology, Peshawar has been established under the directives of Higher Education Commission (HEC), Islamabad and in pursuance of Vice Chancellor's Directives for streamlining the management of Research Initiatives and Programs.

City University of Science and Information Technology (CUSIT) is a nationally competitive and research focused university with national and internationally recognized multidisciplinary research to promote sustainable development. We aim to create transformative development opportunities through innovative approaches and demand-driven research to promote stability and building a mechanism ready to solve tomorrow's problems.

We believe that the research undertaken by the university faculty must be ethical, safe and in accordance with international codes for research. ORIC is responsible for assuring that the quality of research reflects the highest standards and advances the stature of the university among the world's best research institutions for transforming the economic focus of the country through internationally recognized research outcomes. ORIC is also positively contributing to develop research leadership to play their role in achieving our targets so that the university is to be regarded as a valued, independent voice advocating for the role of research beyond academia and in the provision of services to the community for the national interest in specific and broader global interest in general related to the UN's Sustainable Development Goals (SDGs).

Mission

The mission of ORIC is to develop, expand, enhance and manage the university's research programs, and entrepreneurial environment and to link the research activities directly to the educational, social and economic priorities of the university and its broader community.

Vision

We envision to become the national hub of research and innovation, driving research excellence and market utility in Pakistan

International Conferences

CUSIT is regularly organizing its flagship international biennial event entitled "Emerging trends in Engineering, Management and Sciences (ICETEMS)" since 2014 with its theme "Bridging Gaps through Multidisciplinary Research and Innovation for sustainable development".

CUSIT organized the 4th International conference on Emerging trends in engineering, management and sciences (ICETEMS-21), from October 13-14, 2021. Scientists and researchers from industry and academia, public health professionals, clinicians, business delegates, manufacturers, and engineers from different countries participated and about 300 research papers were presented in the core areas of the conference.



Office of Research Innovation & Commercialization (ORIC)

Collaborations

Department of Mathematics, CUSIT take a leading role in Computational Analysis Research Group funded by TDT University, Vietnam.

City University signed letter of collaboration with UTM, Malaysia for joint research. Under the agreement, both the Universities will collaborate in the areas of joint research, faculty development, graduate research supervision, joint teaching in the areas of Computer Science, Engineering, Management Sciences, Social Science and Humanities.

City University in collaboration with PEC, successfully completed 3 week training program for Engineers of Local Govt. and Rural Development Department of GB.

Department of Management Sciences signed MoUs with United States Education Foundation in Pakistan (USEFP), U.S. - Pakistan University Partnerships Grants Program, National Vocational and Technical Training Commission (NAVTTTC) Pakistan, Akhuwat Islamic Microfinance (AIM) for different activities.



Quality Enhancement Cell (QEC)



Dr. Zunnoorain Khan
Director QEC / Assistant Professor
Ph.D (HRM)
SZABIST, Islamabad
MS (HRM)
CECOS University, Peshawar

Dr. Nadeem Ahmad Sheikh
Additional Director / Assistant Professor
Mr. Muhammad Shakir
Deputy Director, QEC
Mr. Tahir Nigah
Office Assistant

Vision

QEC (CUSIT) aspires to be a distinguished cell to ensure excellence in quality assurance instruments and viable procedures for assurance and enhancement of excellent quality delivery of educational services to the university students

Mission

QEC, CUSIT mission is to coordinate and evaluate quality assurance processes in teaching and support services aimed at achieving the university goals. It delivers services with accuracy, consistency, elasticity, reviewing and improving the work processes involving all stakeholders for continuous quality improvement and perpetuation of academic standards. Excellence is the commitment of QEC towards teaching and educational services.

Objectives

- To arrange faculty development programs as per need and requirements.
- To Monitor and review the internal academic activities through self-assessment.
- to improve the quality of teaching, research and development facilities.
- to achieve the academic standards by implementing processed criteria and ensure that all the programs meet their objectives and institutional goals.
- obtaining the feedback from all stakeholders for quality assurance of academic programs.
- to promote public confidence that the quality and standards of the award of degrees are enhanced and safeguarded.
- to equip the students for international competition in academics and serving the society.



Quality Enhancement Cell (QEC)

Activities at a Glance



Institutional Performance Evaluation IPE Self Evaluation 2022-23



AT's Self Assessment (Self Evaluation 2022-23)



Post Graduate Program Review (Self Evaluation 2022-23)



Awareness Session on Use of LMS 2022