بسم الله الرحمن الرحيم

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

Prophet Muhammad

(Peace Be Upon Him) said:

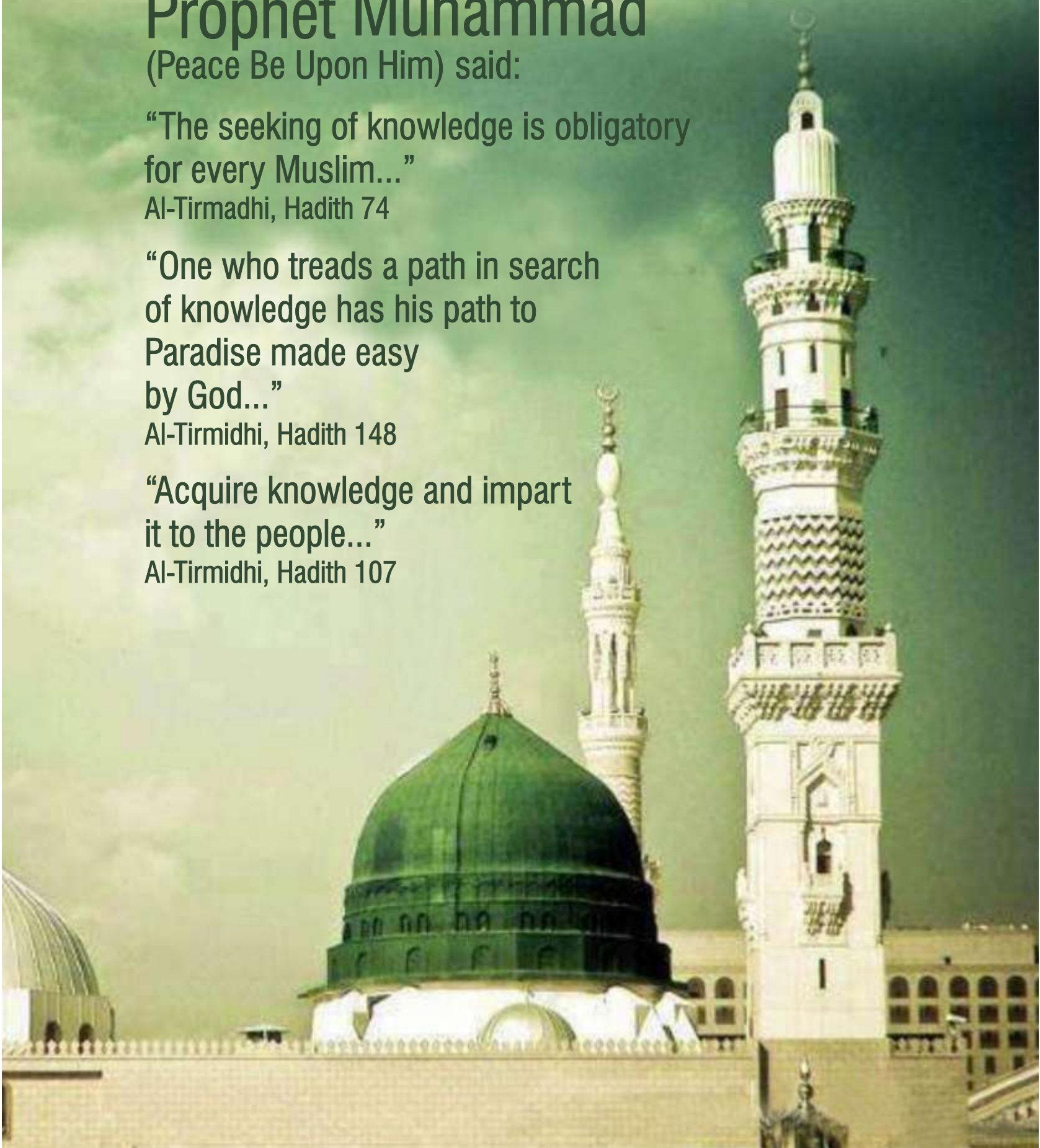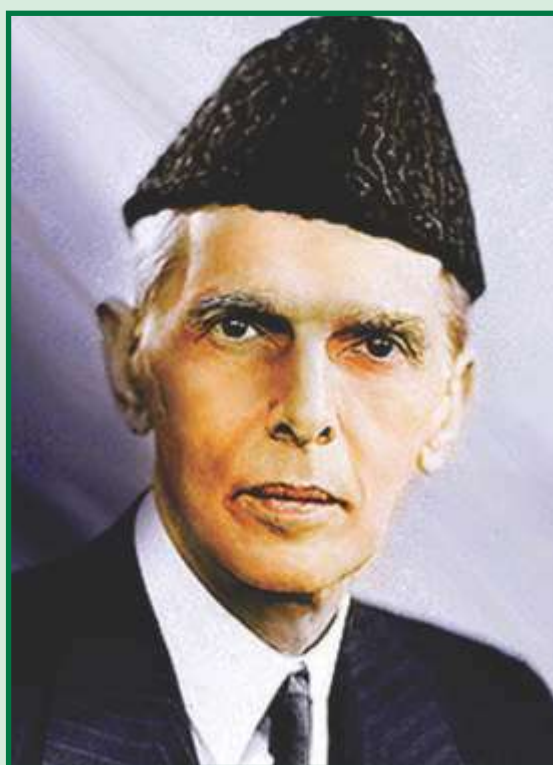"The seeking of knowledge is obligatory for every Muslim..."
Al-Tirmadhi, Hadith 74

"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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Message

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

By the grace of Almighty Allah, we have entered the 20th 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 19 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 gigantic 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. Mohammd Asrar Khattak

It is a matter of immense satisfaction that CUSIT has emerged as renowned seat of learning within a short span of 19 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. Syed Minhaj-Ul-Hassan

Dear Students, Welcome to the City University of Science and Information Technology (CUSIT), Peshawar. I hope and wish you a very productive and peaceful stay in the University. Established in 2001 CUSIT is now one of the leading and pioneer private sector universities in Khyber Pakhtunkhwa. It has its own purpose-built campus which continues to grow according to its needs.

The University offers courses in engineering, health sciences, management sciences, architecture, social sciences, aArts and humanities at BS, MS and PhD level. The University is proud of its teaching faculty who are not only talented in their own fields but are very cooperative with the students as well. We have one of the best teaching faculty amongst the private sector universities. Along with the teaching faculty you shall also find the support staff, right from top to the lower cadre, supportive and friendly. CUSIT also provides opportunities to students to explore the avenues of learning in other well-known and reputed national and international academic institutions as it has signed a number of MoUs with them. The University endeavors to provide opportunities to its students to have practical knowledge in the corporate sector as well as other relevant industries. The CUSIT alumni working in different government and private institutions at very important positions testifies our claim of quality education as without advanced knowledge in their own field and polished personalities they would not have been able to compete in this very competitive world and won positions for themselves.

In this modern world of digital and information technologies no academic institution can groom its students without the provision of access to internet and other related facilities. The University has established well-equipped computer labs for this purpose where the students can do their research and complete their research tasks in a very conducive environment. To augment the students endeavors in search of knowledge the University has also established a well-furbished library, which constantly gets new titles in different fields of knowledge for the benefit of the students and staff. The qualified library staff is always ready to help the students in search of their related topics and other research projects.

CUSIT offers a number of scholarships, aid in grants, fee concessions and other kind of monetary concessions to the talented students. The University also offers some scholarships on need basis. Overall, the University spends 14 per cent of its total revenue for this purpose that makes millions of rupees available to the students each year in this category.

CUSIT provides to the students an environment of learning in the class rooms as well as outside the class rooms. To develop and polish the student's talent in diversified manner the University has established a number of Societies which the students can join and improve their talents. The University also provides opportunities to the students to show and develop their talents in the sports as well because the University believes that healthy body helps in the growth of mental capabilities.

I hope and wish you a very healthy, friendly, and fruitful time with us in CUSIT.

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/needy students
- Purpose-built own campus, spread over an area of 90 kanals with a covered area of about 1,00,000 sq. ft. of main building and 25,000 sq. ft. of faculty of Architecture and Civil Engineering.
- 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 & UPSs
- Pleasant learning and politics-fee environment
- Free internet facility with wi-fi services
- Free on-campus medical assistance
- Spacious parking for cars, motorcycles, cycles etc.
- Specious 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 25ºC - 45ºC and winter from November to March with temperature 5ºC - 12ºC.

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). 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 nine separate school campuses, three degree college campuses for boys and two degree college campuses for girls, with a combined strength of over 23, 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 Pakhutunkhwa, Mr. Khalil ur Rehman on 19th May, 2005. The new campus is spread at an area of over 90 kanals, with a covered area of 100,000 sq. ft. 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 Departments.

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	9. DICLE University, Turkey
2. Open University, Malaysia	10. Nile Valley University, Sudan
3. Sultan Idris Education University, Tanjong Malim, Perak, Malaysia	11. Bursa Technical University, Bursa, Turkey (BTU)
	12. Khushhali Bank / USAID
4. Islamic University, Uganda	13. Pembrokeshire College, Haverfordwest, UK.
5. Kandhar University, Afghanistan	14. Regent Business School, City University, London
6. Islamic School of Arts, Iran	15. Bournemouth University, UK
7. University of Kassala, Sudan	16. Ghulam Ishaq Khan Institute, Topi Swabi
8. University GAZINTEP Turkey	17. Indus University Karachi

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

Board of Governors

Chairman
Prof. Dr. Syed Minhaj-Ul-Hassan
Vice Chancellor, CUSIT

Secretary
Higher Education Commission,
Khyber Pakhtunkhawa

Mr. Hifz ur Rehman
Former Secretary, SG&D
Khyber Pakhtunkhawa

Mr. Muhammad Azam Khan
Former Chief Secretary,
Govt. of Khyber Pakhtunkhwa

Justice (Rtd) Mohammad Ghazanfar
Peshawar High Court

Prof. Dr. Syed Muhammad Hasan Zaidi
Dean SEECS, NUST Islamabad

Prof. Dr. Nasir Jamal
Professor Department of English,
University of Peshawar

Dr. Farhad Ali
Dean of Faculty of Science & I.T, CUSIT

Mr. Zarak Khan Khattak
Chief Executive Officer, (CEO) FF Steel,
Peshawar

Mr. Khalid Sultan Khawaja
Former Managing Director,
Frontier Education Foundation
CEO, Tariq Sultan & Co.

Prof. Dr. Nasser Ali Khan
Project Director,
PAF-IAST, Haripur

Prof. Dr. Rasool Jan
Vice Chancellor,
University of Poonch

Prof. Dr. Razia Sultana
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. Syed Minhaj-Ul-Hassan

Registrar
Amjad Ali

Controller of Examinations
Zafar Ahmed

Controller of Finance
Shakeel Ahmed Sethi

Director, Administration & Coordination
Amjad Ali

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 then.

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) regrading 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 become necessary.

- Alteration / addition in the rules and regulations may be made from time-to-time. It is the students' responsibility to incorporate and be aware of such amendments as will be promulgated in the form of notices etc.

- All students are expected to behave in an orderly and disciplined way. Ignorance of rules and regulations (academic / administrative) is no excuse for its violation.

- 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, 2020 & Onwards.

Semester System

There will be two semesters in a year, each spreading over 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 in 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 lecturers 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 relevant university bodies.

No course 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:

a. Credits have been earned from institutions recognized / accredited by HEC.
b. Original transcript is produced along with photocopy.
c. No credit hours of a course will be transferred if the grade is less than C for undergraduate and B for graduate.
d. Credits from other institution will be evaluated by the equivalence / evaluation committee on course-to-course basis with courses offered by the University.
e. Course outlines should match minimum 75% with that of the University.
f. Maximum credit equivalent to 40% of the total credits of the degree programme of City University may be accepted.
g. Grades points of the transferred courses will not be counted towards CGPA of courses of the University.
h. The Transferred courses will appear in the full transcript of the University.
i. Character certificate, from the previous institution is produced.
j. In case of acceptance and willingness of the student for admission, he/she will have to produce migration certificate from the previous institution.
k. 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	17	5 years	6 years	10
Master	16	2 years	3 years	4
MBA 1 1/2 years	17 1/2	1 1/2 years	2 1/2 years	3
MS/M.Phil	18	2 years	3 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 according to the following criteria:

- Upto 7th day of convene of classes : 100%
- From 8th-15th day of convene of classes : 50%
- From 16th day of convene 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:

$$\text{SGPA} = \frac{\text{Sum over Courses in Semester (Course Credit Hours} \times \text{Grade Point Earned)}}{\text{Total Semester Credit Hours}}$$

$$\text{CGPA} = \frac{\text{Sum over all taken Courses in all Semesters (Course Credit Hours} \times \text{Grade Point Earned)}}{\text{Total Credit Hours Taken in all Semesters}}$$

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 : 25% 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.

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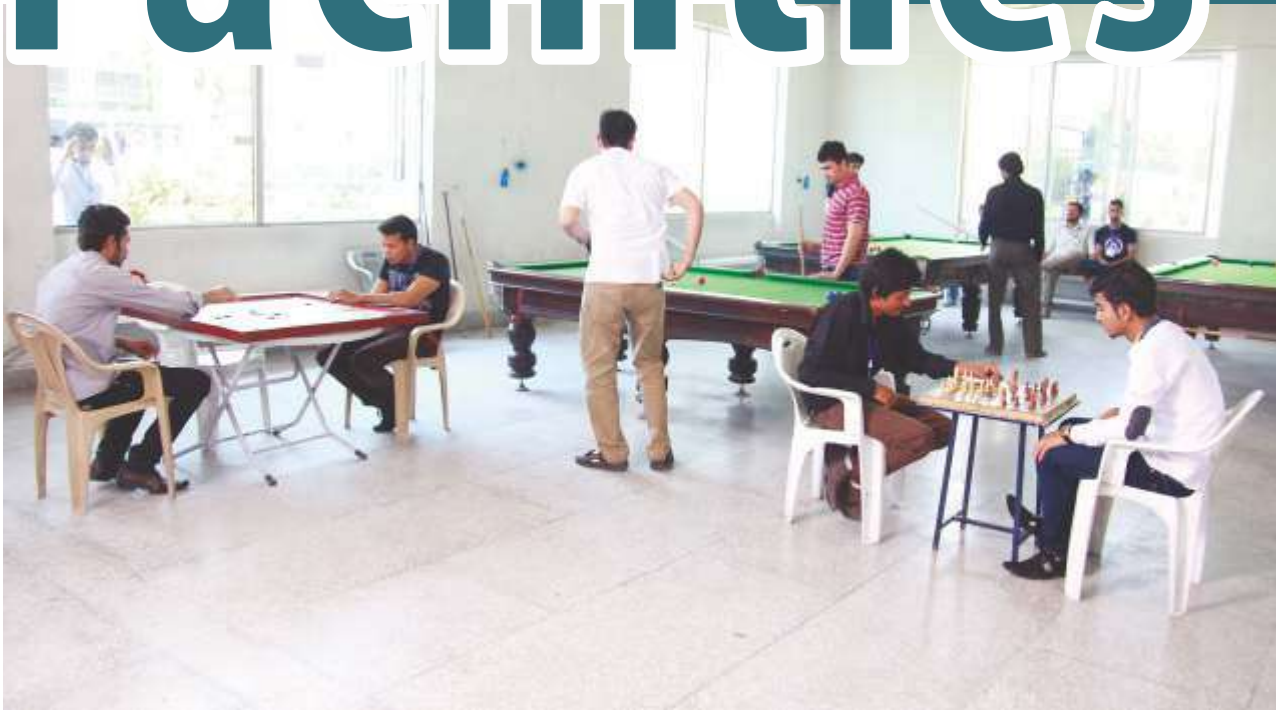
Recreational Centre
The university has a Recreational Centre on its premises. A variety of indoor-games such as snooker, table-tennis, chess, etc. are provided to the students for their recreation.

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

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.

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
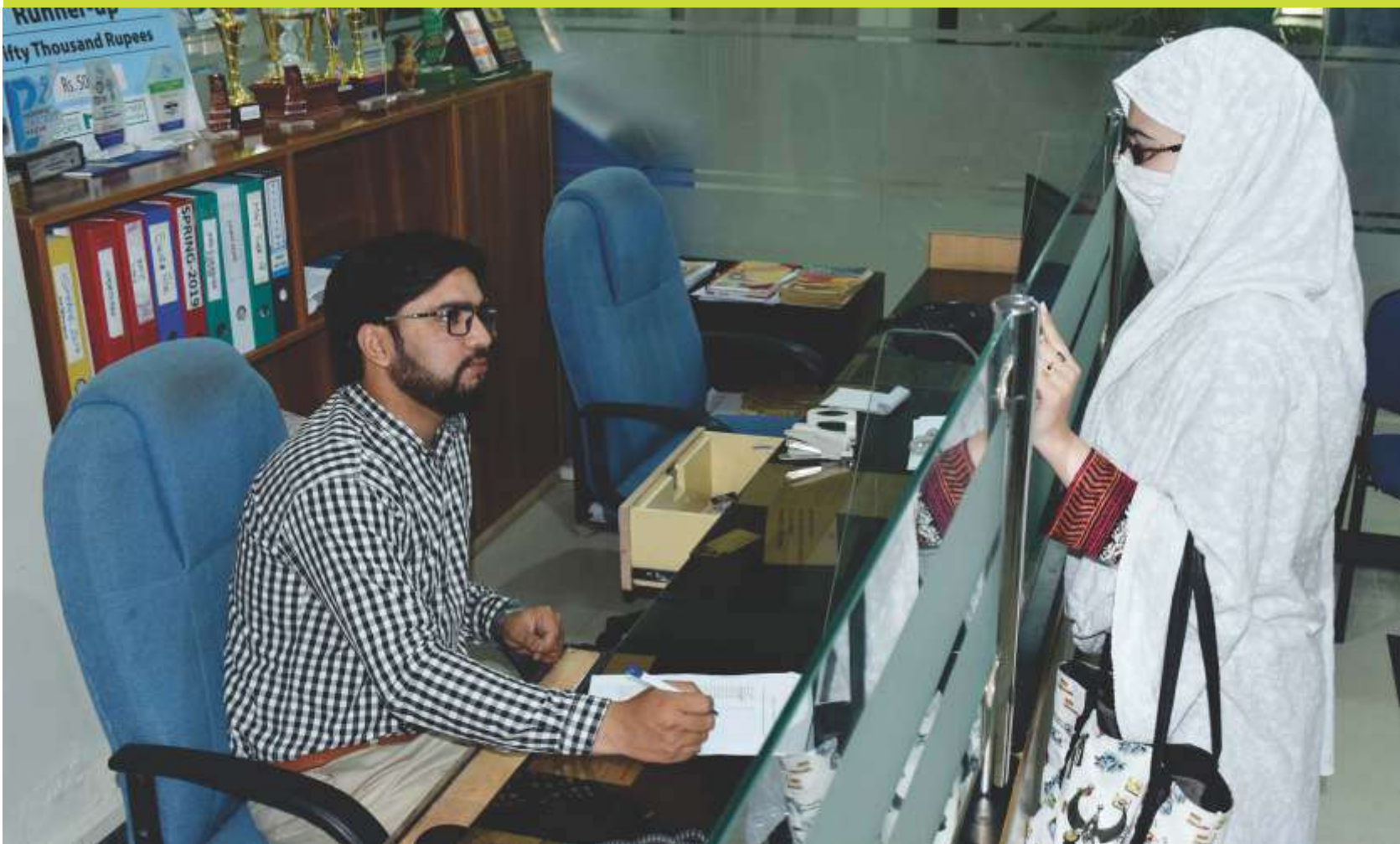
in **CUSIT**

writing & debating in order to enhance their intellectual ability & communication skills. Students enjoy group leisure-trips to tourist spots and hill-stations. To discover sports talent, the university encourages all types of games.

Students' Societies

Different students' societies are working for the students to express themselves. These societies provide a platform to students to develop leadership qualities and organizational skills. These societies arrange and conduct various recreational programmes from time-to-time e.g. Inter-Universities Debates, Sports Tournaments, IT competitions, Naat Khawani, Tours etc.

At present, the following Students' Societies are operational:

- Organizing Society
- Literary Society
- Tour Society
- Sports Society
- I.T Society
- Fine Arts Society
- Character Building Society
- Entrepreneur Society

CONVOCATION

10th Convocation

In the 10th Convocation, held on 05th November, 2019 in which 751 successful graduates of MS (Electrical Engineering), MS (Mathematics), MS (Software Engineering), MS (Computer Science), M.Phil. (Education), MS (Management Sciences), M.Phil (Economics), B.Sc. Electrical Engineering, B.Sc. Civil Engineering, B.Tech Electrical, B.Tech Civil, M.Sc. Mathematics, MCS, BS (SE), BS (CS), M.A. English, M.Ed., BS (English), MBA (1.5 Year), MBA (3.5 Year), M.Com, BBA, BBS and B.Com were conferred degrees.
Degrees was distributed by the Chief Guest Mr. Mushtaq Ahmed Ghani, Speaker Khyber Pukhtunkhwa Provincial Assembly.
40 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

Department of Architecture
- B. Architecture

Department of Art & Design
- Fine Arts
- Fashion Design
- Visual Communication Design

Department of Computer Science
- BS-CS
- BS-SE
- MS-CS
- MS-SE
- Ph.D Computer Science

Department of Civil Engineering
- B.Sc. Civil Engineering

Department of Electrical Engineering
- B.Sc. Electrical Engineering (Power / Electronics / Telecommunication)
- MS. Electrical Engineering
- Ph.D Electrical Engineering

Department of Engineering Technology
- B.Sc. Civil Engineering Technology
- B.Sc. Electrical Engineering Technology

Department of English
- BS. English
- MA. English
- MS. English

Department of Education
- ADE
- B.Ed (1.5 / 2.5 Years)
- M.Phil Education
- B.Ed (Hons)
- M.Ed
- Ph.D Education

Department of Health Sciences
- Pharm-D
- BS-MLT Medical Laboratory Technology
- DPT-Doctor of Physical Therapy
- BS-Microbiology

Department of Regional Languages
- BS-Hindko

Department of Management Sciences
- BS-Social Sciences
- BBA
- M.Phil Economics
- BS-Accounting & Finance
- MBA
- MS-MS (HRM/Finance/Marketing)
- BS-Economics
- MPM
- Ph.D Mgt. Sciences
- BS-Commerce
- M.Com

Department of Mathematics
- BS. Mathematics
- M.Sc. Mathematics
- MS. Mathematics
- Ph.D Mathematics

DEPARTMENT OF

ARCHITECTURE

Ar. Naseer Ahmed Khan Orakzai
Head of Department

**MESSAGE FROM
HEAD OF DEPARTMENT**

Firstly, as a pioneer & presently as an HoD, I am honored to speak my mind about architecture in general and architects in specific.

The region we are living in has its own culture which I need to emphasize. It is the need of the hour that from the present environment, there should emerge a true spirit of architecture – the practitioners – well-trained and well-educated, knowing the ethics and values of the region they live in, deeply rooted in the soil they belong to and who can lead their identity to international level and can observe and absorb changes in the world.

As designers of our built environment, responsibility for its success or failure falls to each and every one of us. I know from personal experience that my learning and creativity is enriched by engaging with people of diverse backgrounds. This is the reason, in City University, often I tried to introduce practitioners of diverse professions because our designs are strengthened & improved when considered from multiple perspectives.

WHY ARCHITECTURE?

Here you will....

Become Brilliant Problem-Solvers...

Travel The World...

Make Things...

Think Outside The Box...

Make Friends & Meet Amazing People...

Discover What You Are Capable Of...

Become An Architect!

M I S S I O N

V I S I O N

The school's vision is to be influential provider of a new planning paradigm in architecture and design that addresses social, cultural, environmental, and technological aspects, recognizing the symbiotic relationship between people and the built environment.
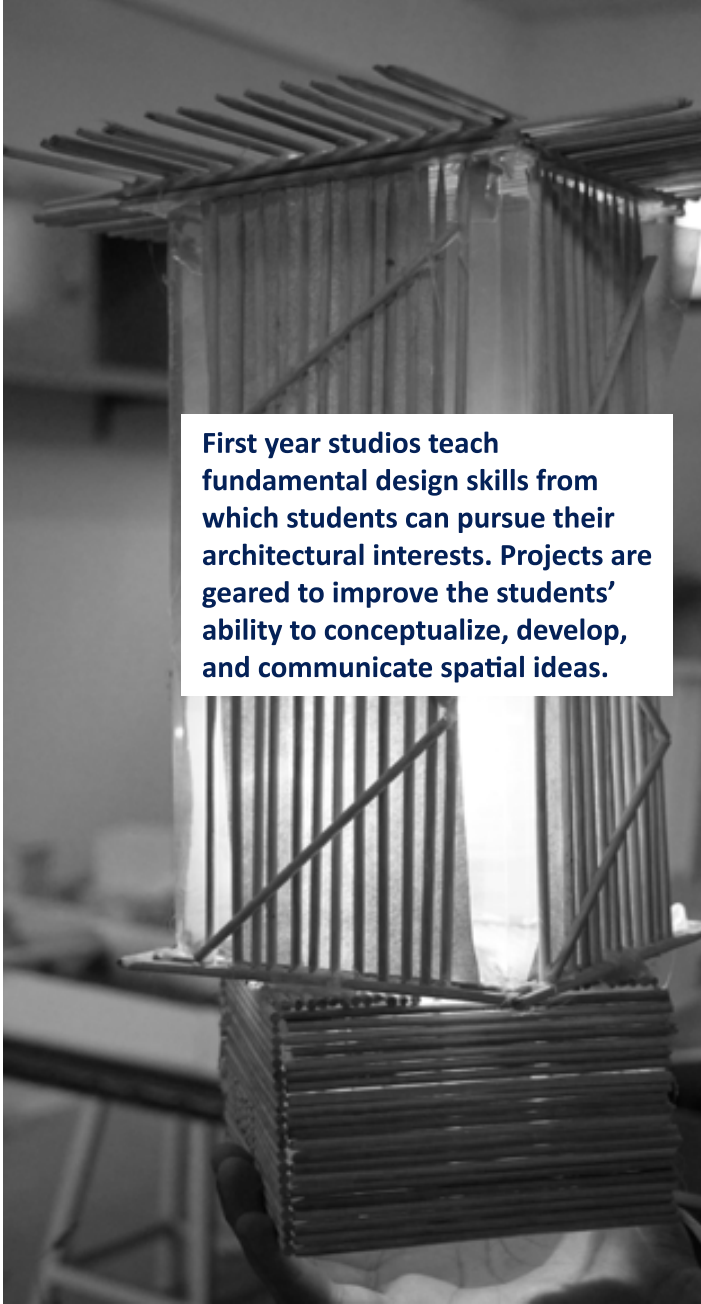
The school is dedicated to advancing the understanding of architectural theory and design, to produce socially responsible architects contributing nationally and globally in shaping the built environment. The school emphasizes on a diverse, mutual learning community of students and focuses on sustainability, critical thinking and urbanism. The school aims to embed the values of respect for local climates, resources, and cultures in a multidisciplinary milieu.

CURRICULUM

Through our programs, we enable our students to become responsible leaders in their field, who have the skills to envision, design and construct a desirable and viable future. Architecture graduates are critical thinkers and problem solvers that develop a diverse range of skills and qualities during their studies. Supported by the insight of practicing faculty, we strive to educate future architects that are able to bridge artistic vision with technical comprehension.

Our curriculum consists of...
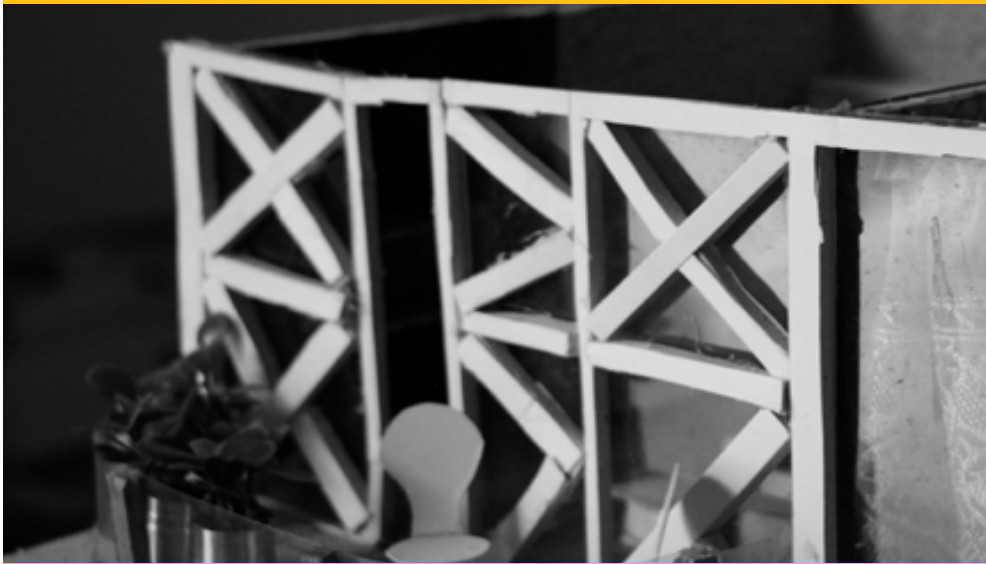
ARCHITECTURAL EXPLORATIONS

First year studios teach fundamental design skills from which students can pursue their architectural interests. Projects are geared to improve the students' ability to conceptualize, develop, and communicate spatial ideas.

CONCEPTUAL DESIGN THINKING
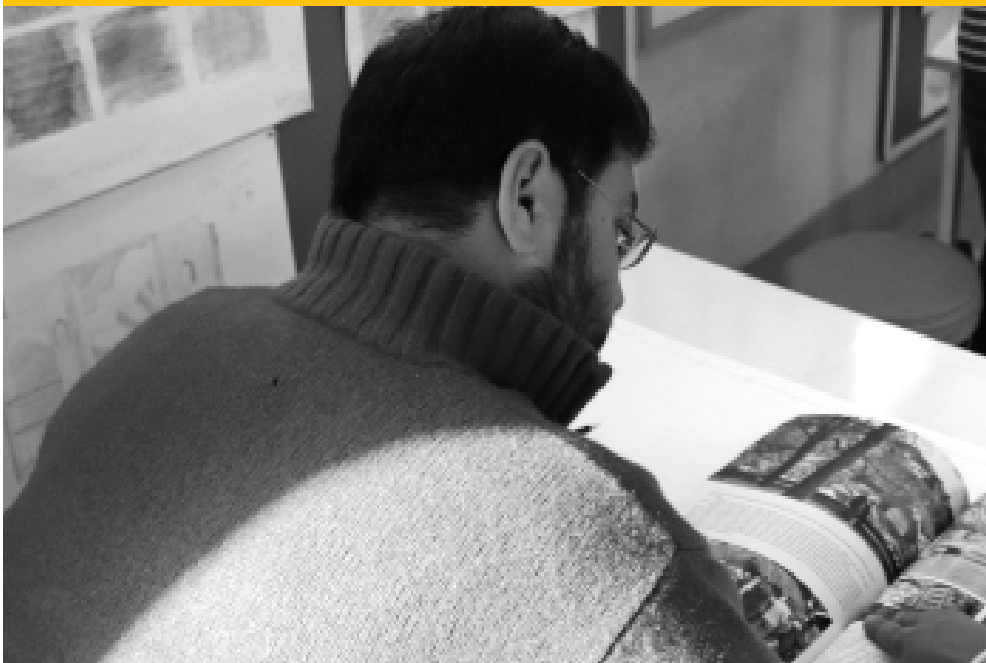
Through an analysis and understanding of type, program, and site, students will explore the synthesis of an architectural concept from its early design schematics towards its final physical manifestation. We foster critical design thinking skills and teach up to date, effective, and contemporary design processes so our students are capable to be confident and successful once they enter the profession.

TECTONIC UNDERSTANDING

Students develop a high level of competence in the technical aspects of architectural design through thoughtful integration of structure, building, and envelope systems, as well as sustainability and future technologies.

INDEPENDENT INVESTIGATION

In their final project students formulate a research topic, and investigate concept, context and typology such as physical site characteristics, environmental and programmatic factors as well as cultural and societal developments that influence their architectural design.

SEMESTER DIVISION

MORNING PROGRAM:
Bachelor of Architecture
Total Credit Hours = 179

SEMESTER 01

Course	Course Title	Credit Hours
ARCH - 101	BASIC DESIGN-I	6
ARCH - 102	VISUAL COMMUNICATION-I	4
ARCH - 109	INTRO TO ENVIRONMENT	3
HUM - 101	ISLAMIC STUDIES	2
ARCH - 110	HISTORY OF CIVILIZATION	3
ENG - 121	ENGLISH COMPOSITION	2
TOTAL		**20**

SEMESTER 02

Course	Course Title	Credit Hours
ARCH - 104	BASIC DESIGN-II	6
ARCH - 105	VISUAL COMMUNICATION-II	4
ARCH - 101	HISTORY OF CIVILIZATION – II	3
ARCH - 112	INTRO TO MATERIALS	3
HUM - 102	PAKISTAN STUDIES	2
TOTAL		**18**

SEMESTER 03

Course	Course Title	Credit Hours
ARCH - 201	ARCHITECTURE DESIGN-I	6
ARCH - 310	SURVEYING AND LEVELLING	3
ARCH - 203	HIST. OF ARCHITECTURE - I	3
ARCH - 204	BUILDING CONSTRUCTION – I	3
ARCH - 206	STRUCTURE-I	2
TOTAL		**17**

SEMESTER 04

Course	Course Title	Credit Hours
ARCH - 207	ARCHITECTURE DESIGN - II	6
ARCH - 209	HIST. OF ARCHITECTURE - II	3
ARCH - 210	BUILDING CONSTRUCTION - II	3
ARCH - 213	VISUAL COMMUNICATION - III	3
ARCH - 212	STRUCTURE-II	2
TOTAL		**17**

SEMESTER 05

Course	Course Title	Credit Hours
ARCH - 301	ARCHITECTURE DESIGN – III	6
ARCH - 302	HIST. OF ARCHITECTURE - III	2
ARCH - 303	THEORY OF ARCHITECTURE - I	2
ARCH - 304	BUILDING CONSTRUCTION - III	3
ARCH - 211	COMPUTER APPLICATION – I	2
ARCH - 313	ENERGY EFFICIENCY	3
TOTAL		**18**

SEMESTER 06

Course	Course Title	Credit Hours
ARCH - 307	ARCHITECTURE DESIGN-IV	6
ARCH - 309	THEORY OF ARCHITECTURE-II	2
ARCH - 314	MEP SYSTEMS AND SERVICES	3
ARCH - 305	COMPUTER APPLICATION – II	3
ARCH - 312	HISTORY OF ARCHITECTURE - IV	3
TOTAL		**17**

SEMESTER 07

Course	Course Title	Credit Hours
ARCH - 401	ARCHITECTURE DESIGN-V	8
ARCH - 402	URBAN THEORIES	3
ARCH - 403	INTERIOR DESIGN	3
ARCH - 311	COMPUTER APPLICATION – III	3
ARCH - 404	SUSTAINABLE HOUSING	3
	TOTAL	20

SEMESTER 08

Course	Course Title	Credit Hours
ARCH - 405	ARCHITECTURE DESIGN-VI	8
ARCH - 406	LANDSCAPE DESIGN	3
ARCH - 407	RESEARCH METHODOLOGIES	3
ARCH - 408	ENTREPRENUERSHIP	2
ARCH - 409	ARCHITECTURAL HERITAGE AND DOCUMENTATION	3
	TOTAL	19

SEMESTER 09

Course	Course Title	Credit Hours
ARCH - 599	THESIS DESIGN-I	12
ARCH - 501	PROFESSIONAL PRACTICE- I	3
ARCH - 502	CONSTRUCTION/PROJECT MANAGEMENT	3
	TOTAL	18

SEMESTER 10

Course	Course Title	Credit Hours
ARCH - 599	THESIS DESIGN – II	12
ARCH - 503	PROFESSIONAL PRACTICE-II	3
	TOTAL	15

P E S H A W A R

A HISTORICAL CITY

Peshawar, being located on the cross-road between central and South Asia, has emerged to be a city of diverse cultural traditions, religious philosophies and multiple ethnicities. Owing to this strategic location it has been one of the earliest living cities of south Asia since last two thousand years, as shown by the archaeological record (Durrani, Ali & Rehman, 1997). Because of the frequent interaction with outside cultures, the art and architecture in Peshawar got developed with new traditions and elements.

In addition to the glorious art of Gandhara and the Islamic, the colonial art and architecture is also noteworthy that flourished in this part of the British Empire apart from Kolkata, Mumbai and Lahore. One of the notable architectural structures of that age is building of Islamia College Peshawar that speaks the grandeur of the British Raj.

PCATP ACCREDITATION

The Pakistan Council of Architects and Town Planners Ordinance 1983 has been promulgated with a view to give recognition and protection to the profession of architecture and town planning in Pakistan. The council has wide-ranging powers and is authorized to perform all functions and to take steps connected with or ancillary to all aspects of the two professions including laying down standards of conduct, safeguarding interests of its members, assisting the government and national institutions in solving national problems relating to the professions, promotion of reforms in the professions, promotion of education of these professions, reviewing and advising the government in the matter of architecture and town planning education, etc.

NOC was granted on 19-06-2017.

Interim visit is due in 2020 and final Accreditation visit is due in 2022.

OUR **STUDENTS**

The First Year is a period of transition for students who come from a tradition of vertical thinking fostered by the education, hence it needs to be dismantled and a comprehensive thought process should be triggered.

LIVE SKETCHING

TO...

FORM EXECUTION

The syllabus of the First Year aims to introduce a creative stimulus and provide a starting point towards visual design and basic elements in design i.e. points, lines, planes and solids along with their application. The creative exercises are designed with these elements in conjunction with the design principles. These ordering principles help to convert the vision into visuals and forms.

The syllabus of architectural design in the Second Year of the five year course in architecture is designed exactly to widen and explore the channels of creativity. These channels of creativity help to stimulate one's mind and create design. These are developed by breaking out of 'concept prisons' of old ideas & introducing the students to lateral thinking. Design process as a thinking process makes the students more proactive & analytical.

EXPLORING DESIGN CONCEPTS

TO...

FORMALIZING IDEAS

The process of creativity is initiated either through brainstorming sessions or through a design exercise. It helps find & unlock one's own brand of creativity & hereby practice it at a later stage. These assignments help to stimulate one's imagination & resort to "in the box," out of the box," and "new box" thinking. Creative ability awakens the psychological qualities, builds up the skills and adds a new dimension to the intellect of the student.

Students will focus on expanding their control of iterative design processes by adding additional criteria & complexities for consideration. They will also focus on the quality & depth of their research, & will develop abilities to construct architectural systems from architectural agendas. The ultimate objective is to design a facility that combines numerous design criteria into a compelling and beautiful assembly of architectural systems and components.

COMPLEXITY IN DESIGN CONCEPTS

TO...

REAL LIFE DESIGN PROJECTS

Alongside the coursework, students are encouraged to take part in live small scale projects to test their abilities in the real life practice of architecture. Projects can range from interior design of offices, to out door public space seating areas for cafeterias, & facade designs. This enables the students to put their theoretical ideas into practice and face the challenges posed by the profession in real life.

OUR STUDIO
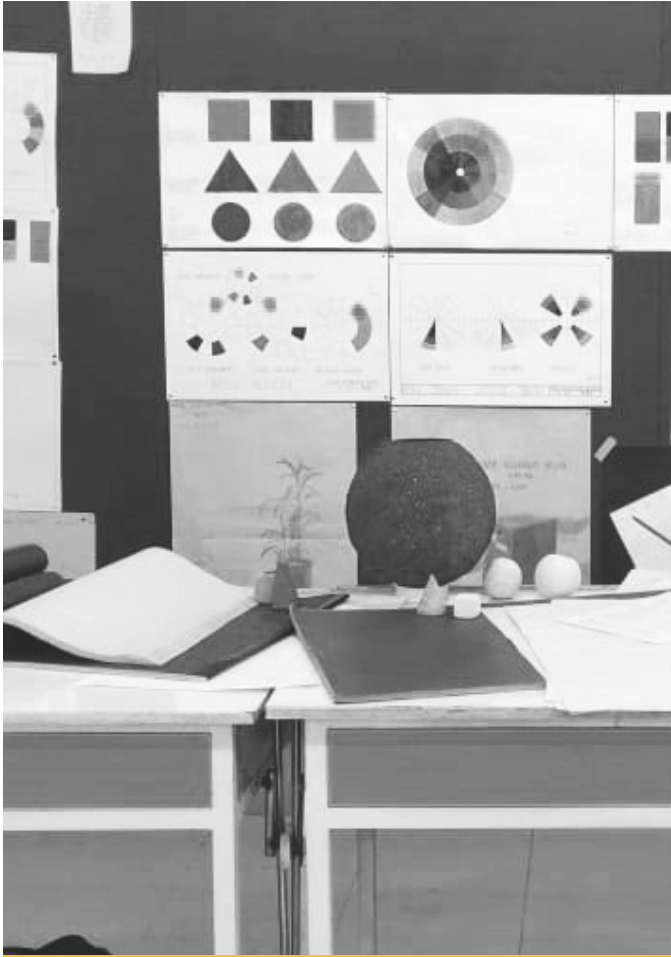
CONCEPTUAL EXPLORATIONS

CURATED STUDIO SPACES

JURIES & DISCUSSIONS

MEET THE FACULTY

Architect Naseer Ahmed Khan Orakzai
Head of Department / Assistant Professor

He has done his Bachelors of Architecture from Dawood College of Engineering & Technology, Karachi. He has 20 years of experience in consultancy and design practice at national and international level including Japan, Hungary, Ireland, Spain, Afghanistan, Kingdom Of Saudi Arabia and NewYork. His work reflects his concepts and his vision in the pursuit of THE QUEST named as LATOON that encompasses all fields of design,ranging from urban scale to paintings,products,interiors and furniture. He has been running his own practice with the name of Latoon Jongara Studios Private Limited and involved in teaching as Assistant Professor for 10 years.

Architect Zain Ul Abedin
Associate Professor

Prof. Zain is an academic and a consultant with diverse professional, teaching, and research experience in Pakistan and Abroad. He is a recipient of several awards and scholarships. He is former Dean of Architecture and Design at CUI. Areas of interest are course development, urban design, environmental psychology, museums, and heritage.

Architect Mohammad Afzal Ebrahim
Associate Professor

Architect Mohammad Afazal Ebrahim did his Diploma in Architecture from National College of Engineering & Technology (now, Dawood University of Engineering and Technology) and formerly, Government School of Architecture), Karachi, Pakistan, 1971. He did his Bachelors in Architecture from Arizona State University, Tempe, Arizona, USA, 1977. He then pursued Masters in Environmental Planning (Solar Architecture & Energy Technology) from Arizona State University, Tempe, Arizona, USA, 1986. He has over 30 years of professional experience in USA and Pakistan in architecture, green and sustainable buildings and research including teaching for 11 years. He is a certified as an architect by NCARB (National Council of Architectural Registration Boards), Washington, DC, USA. NCARB certification enables me to obtain licensing in all 50 States of USA, Guam & Puerto Rico, Canada, Mexico, Australia and New Zealand.

Architect Uzma Nooreen
Associate Professor

Having done her Bachelor of Architecture from Dawood College of Engineering Technology, Karachi and Masters in Urban Design and MBA from Oxford Brookes University, she is an architect, urban designer and interior designer. She has professional, academic and leadership experience of over 30 years in Pakistan and abroad. Her specific interests include heritage buildings and structures.

Artist Sajid Ali
Assistant Professor

Born Peshawar, Pakistan, Ali Sajid holds a master degree in painting, advanced courses in painting and sketching from Singapore and Tokyo Japan. Ali has worked as a creative director in Singapore, as Urban Sketcher in Tokyo, assistant professor at City University of Science & Information technology Peshawar. He has exhibited his work globally including Tokyo, India, Italy, Dubai, Canada, Hong Kong, Albania and all over Pakistan. He won several International Awards including Daniel Smith Award at Fabraino Italy (2016), held 1st position in International Watercolor Festival Dubai, UAE(2017), Landscape Artist Award Albania and Global Association of Watercolor Artist Award Canada(2018) and also national Awards including "Living human treasure Award" by govt of KP, "National Heroes of Peshawar" by government of KP, SS Hyder and Gulgee Awards. Juried IWS Arab Nation Contest, IWS Turkey watercolour contest and Pakistan 1st International watercolour contest. his paintings enrich art collections all over the world including office of UNESCO, UNCHR, Fabraino Museum Italy, at 11 corps headquarters and also in the CM house Khyber Pakhtunkhwa.

Architect Muhammad Umer Sardar
Lecturer

Architect Muhammad Umer Sardar is a graduate of CECOS University and within a short span of time has a variety of work experiences. He has been a team member of the award of the Women Seerat Center, Lahore, Pakistan, 2017 (with Ar. Naseer Ahmed Orakzai as a team member), for 2nd Prize of PKR 1,50,000. He has organized a number of events and study excursions, including participation in an international study visit as well. He has been successful in building a positive rapport with his students and is successfully teaching since the last four years, besides serving as Coordinator for the Department of Architecture.

Architect Raza Hussain Shah
Lecturer

Architect Raza Ali Shah is a graduate of CECOS University and has national as well as international work experience. He has worked in Qatar with the HBK Group. He worked with Meinhardt Consulting Group in Islamabad. He has a record of diligent and technical work and has experience in site management and implementation of projects. He has built a positive report with his students and is successfully teaching since the last two years. His proficiency is wide ranging while his special interest is in Building Information Modelling (BIM).

Architect Sohaib Fakhar
Lecturer

He is a graduate of CECOS University and has done his Masters in Urban and Regional Planning from NUST, Islamabad. He has worked in reputed organisations across the country in both public and private sector organisations which include Wings Consultants Peshawar, Design Matrix DHA Lahore and served for directorate of works at Bacha Khan University, Charsadda. He has an international exposure of UAE where he worked as an intern in Almaali Engineering & Consulting. He has hands on skills in architecture visualization and holds an advanced diploma in that. He also has completed a certification in project management from Institute of Management Studies Peshawar. With all his experience he is serving as a lecturer in department of architecture since Feburary 2020.

Architect Ashfaq Ahmad
Program Coordinator / Lecturer

He has done his B. Arch from CECOS University of IT and emerging Sciences Peshawar and M. Arch from University of Engg. & Technology Lahore. He has been working as a practicing architect since 2015 and teaching in different universities.

Architect Abeera Saleem
Junior Lecturer

She has done her bachelor's from NED University of engineering and technology, Karachi in 2018. An aspiring architect with experience of research in Heritage Conservation of Karachi.

FACULTY **PORTFOLIO**

Architect Naseer Ahmed Khan Orakzai

Private Residence at Phase 2 Hayatabad, Peshawar.
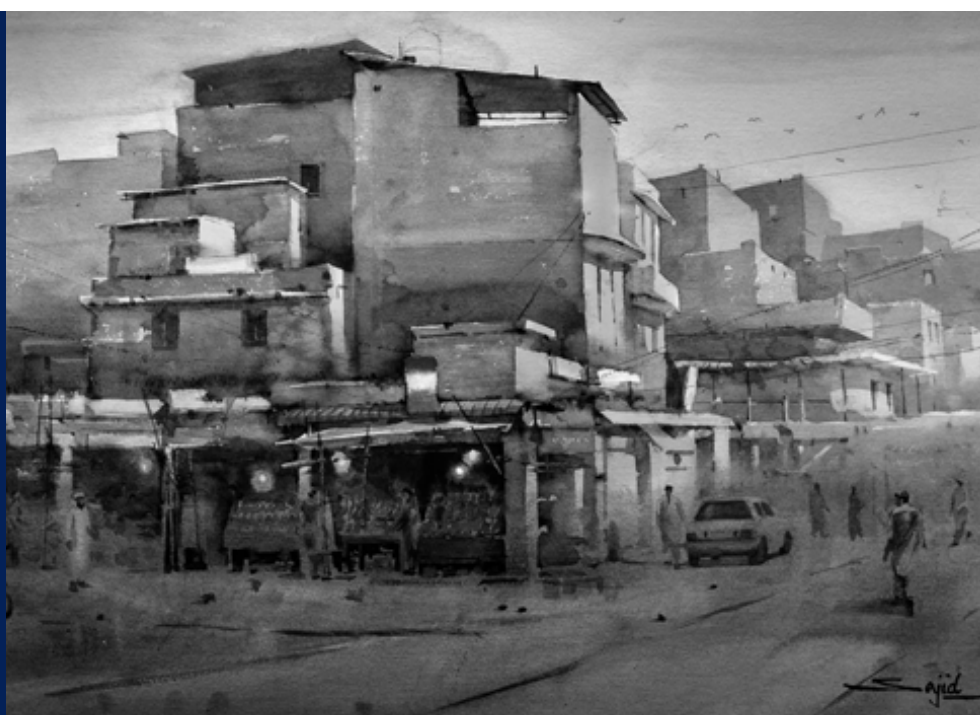
Private Residence at Malir Cantt Karachi.

Architect Zain Ul Abedin

A hotel in Karachi (presntly Days Inn) Sharae Faisal.

Architect Mohammad Afzal Ebrahim
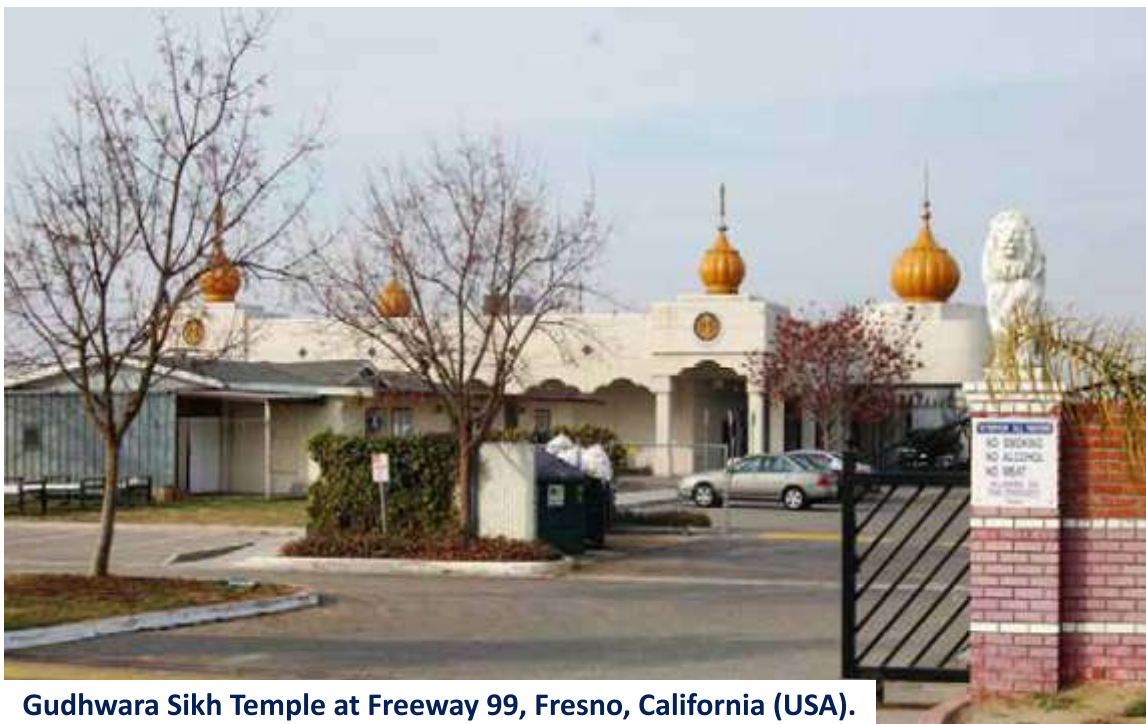
Gudhwara Sikh Temple at Freeway 99, Fresno, California (USA).

Architect Uzma Nooreen

THE DESIGN PROPOSAL OF THE DWARKA MONUMENT – AT PAKISTAN MARITIME MUSEUM Karachi – 2016 competition project

Artist Sajid Ali

Peepal Mandi Peshawar at International Watercolour Contest Dubai 2018. Size: 16/30 inch. Medium Watercolor on Paper.

Architect Muhammad Umer Sardar
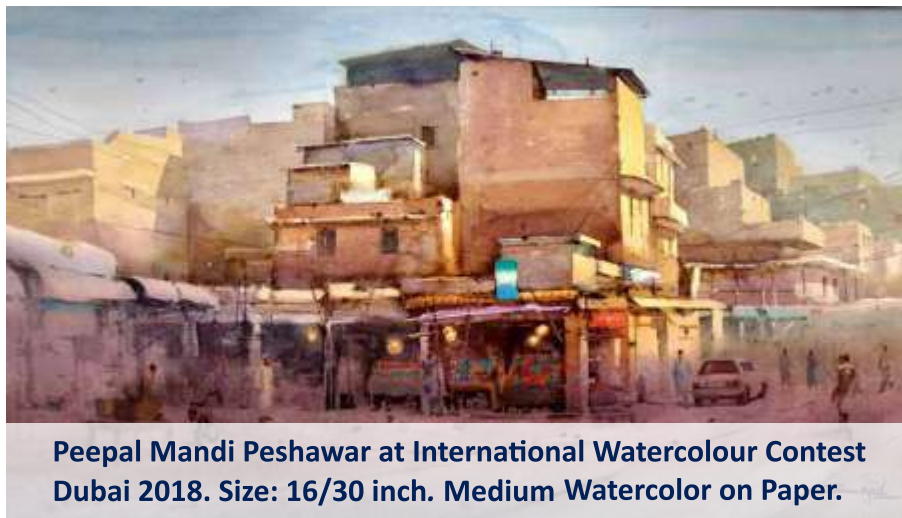
Contemporary House for Shahab Bangash in DHA, Peshawar.

Architect Sohaib Fakhar

Residential Project in University Town, Peshawar.

Architect Ashfaq Ahmad

Architect Abeera Saleem

OUR FACILITIES

Here we have....

Computer Lab

Surveying & Levelling Lab

Material & Construction Lab

Model-Making Lab

EVENTS & ACTIVITIES

INTERACTIVE SEMINARS

To get the students up and running creatively, our teachers provide interactive seminars with professional architects in studio projects. Students are pushed outside of their comfort zone through studio exchange programs with local architecture insitituions like UET Abbotabad and Comsats Islamabad. This enables our students to gain exposure & collaborate with diverse young architects from across the country, opening their minds to world of architecture design.

STUDIO EXCHANGE PROGRAMS

TO...

AND...

Alongside our university's coursework, students are encouraged to take part in live small scale projects to test their abilities in the real life practice of architecture. Projects can range from interior design of offices, to out door public space seating areas for cafeterias, & facade designs. This enables the students to put their theoretical ideas into practice and face the challenges posed by the profession in real life.

REAL LIFE DESIGN PROJECTS

MODEL MAKING WORKSHOPS

Our workshops and activities range from model-making workshops, to architectural photography and live seminars from renowned local and international architects in events like IAPEX and PCATP seminars. These enable our students to gain further exposure to professional architects, paving a way for their internship and employment opportunities, during and after graduation.

TO...

SKETCHING SESSIONS

We also have breakout activities to keep the creative juices of our young architects flowing with live sketching and drawing sessions. These polish up their visualisation skills to get a better grasp on their design visualisation during architectural design studios. Not to mention extracurriculars like sports. We believe architecture is as much about having fun as it is about design.

AND...

HAVING FUN!

GALLERIES AND EXHIBITIONS

KP ART & ARCHITECTURE GALA 2017

1ST KP ARTISTS PAINTING EXHIBITON 2019

LEARNING THROUGH TRAVELLING
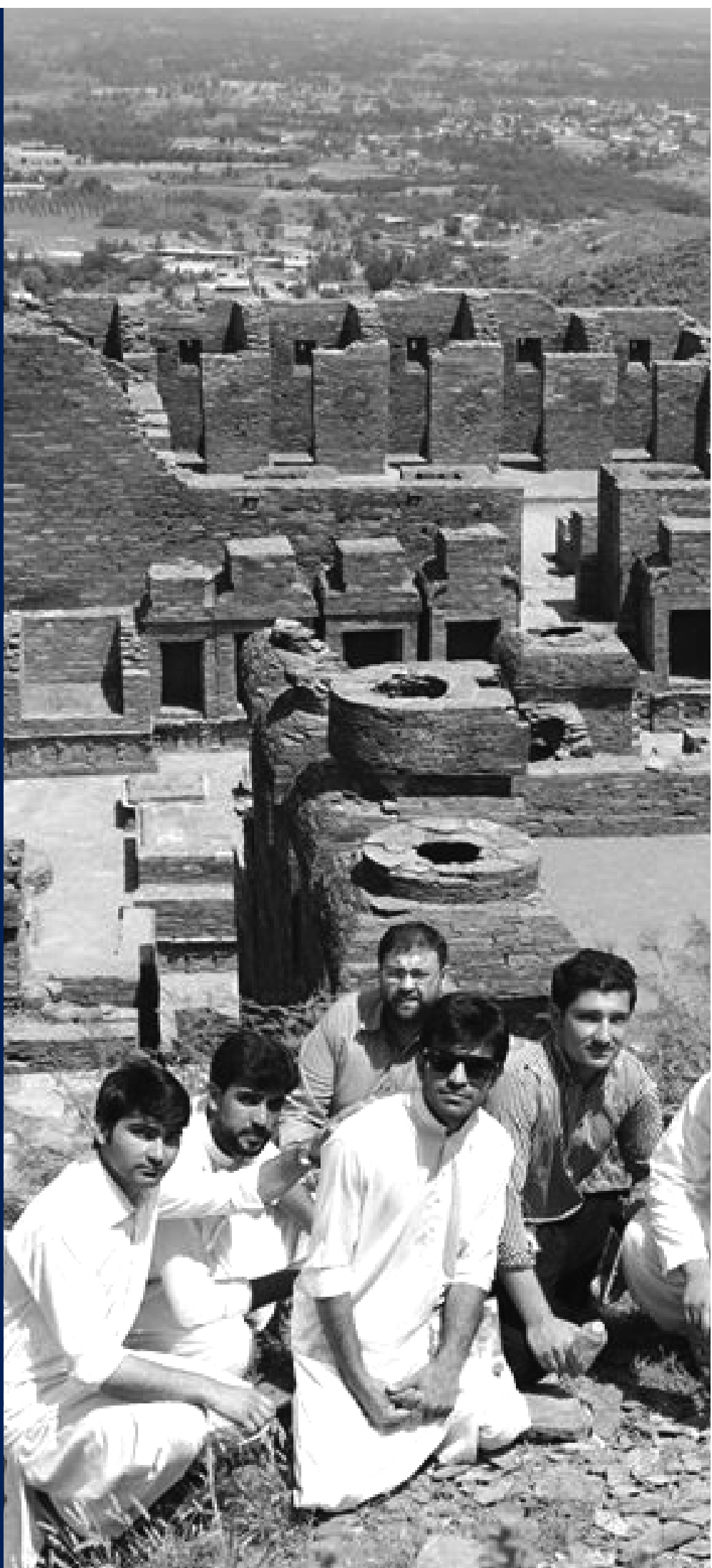
VISIT TO TAKHT-E-BAHI RUINS

VISIT TO INTERIOR PESHAWAR

TRIP TO NORTHERN AREAS

VISIT US !

Visit our Admission Section office and get all the relevant details for the Admission in Architecture Department at City University.

HOW TO APPLY

You can Apply Online as well: https://cu.edu.pk/admissions/

Feel Free to Contact/Call us at (091) 2609501-8 for any query.

Department of

Computer Science

BS Computer Science, BS Software Engineering
MS Computer Science (Data/Networks/Multimedia)
MS Software Engineering
Ph.D Computer Science

Faculty Members of
Computer Science

Dr. Muhammad Arshad (Associate Professor)
Head of Department
PhD (CS), Liverpool John Moores University, Liverpool, UK

Dr. Ijaz Ud Din (Assistant professor)
PhD-CS, University of Nottingham, Malaysia

Dr. Muhammad Sadiq Khan (Assistant professor)
PhD-CS, University of Malaya, Malaysia

Dr. Shahab Haider (Assistant Professor)
PhD-CS, GIK, Topi
MS-IT IM Sciences Peshawar

Dr. Iftikhar Alam (Assistant Professor)
PhD, University of Peshawar
MS-CS University of Peshawar

Dr. Zulfiqar Ali (Assistant Professor)
PhD- CS , TU Graz, Austria

Mr. Mumtaz Ali (Assistant Professor)
PhD (in progress)
MS-IT (information & Business Support System)
IM Sciences Peshawar

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

Mr. Muhammad Abdul Tawab Khan,
Lecturer / Academic Coordinator CS
PhD (in progress)
MS-CS IMSciences Peshawar

Mr. Sanaullah Khan (Lecturer)
MS-CS IM sciences

Engr. Muhammad Asad (Lecturer)
PhD (in progress)
MS-SE NUST, Islamabad

Mr. Muhammad Adnan (Lecturer)
MS-CS, CUSIT Peshawar
MSc-CS, University of Peshawar

Mr. Haji Gul (Lecturer)
MS-CS, IM Sciences Peshawar
MSc (Computer Science) IM Sciences Peshawar

Mr. Bilal Khan (Lecturer)
MSCS CUSIT Peshawar

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

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

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

Mr. Sher Jeel Ahmad (Lecturer)
MS Computer Science (Software Engineering),
University of HULL, England

Mr. Muhammad Zakir Khan (Lecturer)
PhD (CS), study leave University of Glasgow
MS-SE, CUSIT Peshawar

Mr. Qazi Haseeb Yousaf (Lecturer)
MS-CS CUSIT, Peshawar

Ms. Iqra Saleem (Lecturer)
MS Computer Engineering, UET Peshawar

Mr. Faheem Mahmood (Lecturer)
MS-CS, FAST, Islamabad

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

Mr. Manzar Iqbal (Lab Engineer)
BSSE CUSIT Peshawar

Ms. Noreen Khan (Lab Engineer)
MS-CS (In progress)
MCS CUSIT Peshawar

Department of
Computer Science

Ms. Zartasha Saeed (Junior Lecturer)
MS-CS (in progress), CUSIT Peshawar
BS-SE, CUSIT Peshawar

Ms. Zarah Zainab (Lab Engineer)
MS-CS CUSIT (In progress)
BCS CUSIT Peshawar

Mr. Muhammad Wasim (Lab Engineer)
MS-SE (In progress) CUSIT Peshawar
BS-SE, CUSIT Peshawar

Mr. Fahad Ali (Lab Engineer)
MS-CS (In Progress) CUSIT Peshawar
BS-SE, CUSIT Peshawar

Mr. Syed Salah Ud Din (Lab Engineer)
BSSE CUSIT Peshawar

Mr. Sohail Ilyas (Lab Engineer)
BSSE CUSIT Peshawar

Mr. Muhammad Yasir (Lab Engineer)
BSSE CUSIT Peshawar

Mr. Hummad Hassan (Lab Engineer)
BSSE CUSIT Peshawar

Mr. Izaz Ali (Departmental Assistant)
BA, 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.
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 :   Pre-Engineering/Pre-Medical

1st Semester

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

2nd Semester

Course	Course Title	Credit Hours
CC	Object Oriented Programming	3+1
GE	Communication & Presentation Skills	3+0
CSC	Digital Logic Design	3+1
MSF	Probability & Statistics	3+0
GE	Islamic Studies	2+0
UE	University Elective – I	3+0

3rd Semester

Course	Course Title	Credit Hours
CC	Data Structures & Algorithms	3+1
CSC	Computer Architecture & Organization	3+1
CC	Discrete Structures	3+0
GE	Professional Practices	3+0
CSS	CS Supporting – I	3+0

4th Semester

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

5th Semester

Course	Course Title	Credit Hours
CSC	Compiler Construction	3+0
CC	Operating Systems	3+0
CC	Software Engineering	3+0
CSS	CS Supporting – II	3+0
CSS	CS Supporting – III	3+0

6th Semester

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

7th Semester

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

8th Semester

Course	Course Title	Credit Hours
UE	University Elective – IV	3+0
CSE	CS Elective – V	3+0
CC	Information Security	3+0
CC	Final Year Project – II	0+3

Department of
Computer Science

Course	Course Title	Credit Hours
University Elective Courses:		**21**
ACC-201	Fundamentals of Accounting	3
HRM-201	Organizational Behaviour	3
MGT-101	Principles of Management	3
MGT-302	Entrepreneurship	3
MGT-408	Leadership	3
MKT-203	Marketing Management	3
PSY-101	Fundamentals of Psychology	3

Elective courses not limited to the list

Course	Course Title	Credit Hours
Computer Science Elective Courses:		**21**
CSC-214	Computer Graphics	2
CSC-214(L)	Computer Graphics	1
CSC-215	Web Engineering - 1	2
CSC-215(L)	Web Engineering - 1	1
CSC-305	Routing and Switching	2
CSC-305(L)	Routing and Switching	1
CSC-319	Wireless Network	3
CSC-420	Web Engineering - II	2
CSC-420(L)	Web Engineering - II	1
CSC-424	Digital Image Processing	2
CSC-424(L)	Digital Image Processing	1
CSC-446	Fuzzy Logics	3

Course	Course Title	Credit Hours
Computer Science Elective Courses:		**21**
CSC-433	Data Mining	3
CSC-434	Mobile Application & Development	2
CSC-434(L)	Mobile Application & Development	1
CSC-435	Computer Vision	3
CSC-436	Data Warehousing	3
CSC-439	Modern Web Technology	2
CSC-439(L)	Modern Web Technology	1
CSC-445	Digital Signal Processing	3
CSC-443	Distributed Computing	3

Department of
Computer Science

0246   **BS Software Engineering**

Shift   :   **Morning**
Duration   :   **4 Years, 8 Semesters, 130 Credit Hours**
Eligibility   :   **Pre-Engineering/Pre-Medical**

1st Semester

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

2nd Semester

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

3rd Semester

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

4th Semester

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

5th Semester

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

6th Semester

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

7th Semester

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

8th Semester

Course	Course Title	Credit Hours
SEE	SE Elective – III	3+1
SEE	SE Elective – III	3+1
UE	University Elective – IV	3+0
CC	Final Year Project – II	0+3

Department of
Computer Science

Course	Course Title	Credit Hours
University Elective Courses:		**21**
ACC-201	Fundamentals of Accounting	3
HRM-201	Organizational Behaviour	3
MGT-101	Principles of Management	3
MGT-302	Entrepreneurship	3
MGT-408	Leadership	3
MKT-203	Marketing Management	3
PSY-101	Fundamentals of Psychology	3

Elective courses not limited to the list

Course	Course Title	Credit Hours
Software Engineering Elective Courses:		**21**
CSC-207	System Analysis & Design	3
CSC-314	Web - Engineering	3
CSC-320	Artificial Intelligence	3
CSC-420	Web Engineering - II	3
CSC-433	Data Mining	3
CSC-434	Mobile Application Development	3
CSC-436	Data Warehousing	3
CSC-439	Modern Web Technology	2
CSC-439(L)	Modern Web Technology	1
CSC-447	Software Engineering Economics	3
CSC-448	Aspect Oriented Software Design	3

Course	Course Title	Credit Hours
Software Engineering Elective Courses:		**21**
CSC-449	Information System Audit	3
CSC-450	Agent Based Computing	3
CSC-451	Cloud Computing	3
CSC-452	Introduction to Soft Computing	3
CSC-453	Real-Time Systems	3
CSC-454	Data Security & Encryption	3
CSC-455	Secure Software Development	3
CSC-456	Business Process Engineering	3
CSC-457	Advance Database Management Systems	3
CSC-458	Introduction to Bioinformatics	3
CSC-459	Bioinformatics Software Engineering	3

Won 1.6 million in KP impact challenge

Department of
Computer Science

0306   **Master of Science in Computer Science**

Specialization: Computer Networks/Database Systems/Multimedia/Information Management/Net-Centric Computing

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
CSC-6XX	Core-I	3
CSC-6XX	Core-II	3
CSC-6XX	Core-III	3
CSC-6XX	Core-IV	3

2nd Semester

Course	Course Title	Credit Hours
CSC-6XX	1 Electives	3
CSC-6XX	2 Electives	3
CSC-6XX	3 Electives	3
CSC-6XX	4 Electives	3

3rd Semester

Course	Course Title	Credit Hours
CSC-699	Research Thesis	3

4th Semester

Course	Course Title	Credit Hours
CSC-699	Research Thesis	3

Core Courses

CSC-606	Advanced Analysis of Algorithms
CSC-623	Advanced Operating Systems
CSC-638	Theory of Programming Languages
CSC-640	Theory of Automata-II
CSC-602	Advanced Computer Architecture

Elective Courses for Specialization:

A. Computer Networks

CSC-603	Network Security & Cryptography
CSC-609	Advance Wireless Networks
CSC-614	Network Programming
CSC-633	Network Simulation & Modeling
CSC-609	Wireless Sensor Networks

B. Database Systems

CSC-601	Advance topics in Database
CSC-605	Data Warehousing
CSC-612	Distributed Database Systems

C. Multimedia

CSC-621	Virtual Reality
CSC-622	Advanced Computer Graphics
CSC-628	Computer Vision
CSC-641	Human Computer Interaction

D. Information Management

CSC-613	Data Mining
CSC-629	Machine Learning
CSC-630	Utility Computing
CSC-631	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-SE / BSE (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
CSC-607	Software System Design & Architecture	3
CSC-618	Topics in Soft Requirement Engineering	3
CSC-6XX	Elective-I	3
CSC-6XX	Elective-II	3

2nd Semester

Course	Course Title	Credit Hours
CSC-626	Software Quality Assurance	3
CSC-6XX	Elective-III	3
CSC-6XX	Elective-IV	3

3rd Semester

Course	Course Title	Credit Hours
CSC-6XX	Elective-V	3
CSC-699	Research Thesis	3

4th Semester

Course	Course Title	Credit Hours
CSC-699	Research Thesis	3

Elective Courses for specialization:

CSC-613	Data Mining
CSC-616	Advance Software Project Management
CSC-617	Formal Methods
CSC-625	Research Methods in Computing
CSC-629	Machine Learning
CSC-631	Digital Image Processing
CSC-632	Topics in Software Engineering
CSC-639	Software Testing

Note: Two courses of 3 credit hourse each, may be taken from MS-CS courses.

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. If the Test is not available in NTS subject list, then a University Committee consisting of at least 3 PhD faculty members in the subject area and approved by the HEC will conduct the Test at par with GRE Subject Test and qualifying score for this will be 70% score.

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
CSC-7XX	Elective-I	3
CSC-7XX	Elective-II	3
CSC-7XX	Elective-III	3

2nd Semester

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

3rd Semester

Course	Course Title	Credit Hours
CSC-7XX	Comprehensive Exam	3
CSC-7XX	Ph.D Research Proposal	3

4th Semester

Course	Course Title	Credit Hours
CSC-799	Ph.D Thesis-I	3

5th Semester

Course	Course Title	Credit Hours
CSC-799	Ph.D Thesis-II	3

6th Semester

Course	Course Title	Credit Hours
CSC-799	Ph.D Thesis-III	3

Department of
Civil Engineering
B.Sc. Civil Engineering

Faculty Members of
Civil Engineering

Engr. Dr. Hafiz Asfandyar 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
(Dean Faculty of Engineering, Technology & Architecture)
Ph.D Civil Engineering (Water Resources)
M.Sc. Civil Engineering (Water Resources)
University of Stuttgart, Germany
B. Sc. Civil Engineering, UET, Peshawar

Engr. Aziz Ahmad, Assistant Professor
Ph.D. Civil Engineering (Water Resources)
(In Progress) UET, Peshawar
M.Sc. Civil Engineering (Urban Infrastructural
Engineering) UET, Peshawar
B.Sc. Civil Engineering UET, Peshawar

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

Engr. Hazrat Bilal
Lecturer/Coordinator (Academics)
M.Sc. Civil Engineering (Structural Engineering) UET, Taxila
B.Sc. Civil Engineering (With Honors) UET, Taxila

Engr. Zeeshan Khan, Lecturer
M.Sc. Civil Engineering (Structural Engineering)
UET, Peshawar
B.Sc. Civil Engineering UET, Peshawar

Engr. Muhmmad Junaid, Lecturer
M.Sc. Civil Engineering (Transportation Engineering)
NUST, Islamabad
B.Sc. Civil Engineering UET, Peshawar

Engr. Muhammad Irfan, Lecturer
M.Sc. Civil Engineering (Water Resources) INU, Peshawar
B.Sc. Civil Engineering UET, Peshawar

Engr. Muhammad Khubaib, Lecturer
M.Sc. Civil Engineering (Structural Engineering)
CECOS, Peshawar
B.Sc. Civil Engineering UET, Peshawar

Engr. Waleed Ahmed, Lab Engineer
M.Sc. Civil Engineering (Water Resources)
(In Progress) UET, Peshawar
B.Sc. Civil Engineering UET, Peshawar

Engr. Sahibzada Zarak Khan, Lab Engineer
M.Sc. Civil Engineering (Urban
Infrastructural Engineering) (In Progress) UET, Peshawar
B.Sc. Civil Engineering CUSIT, Peshawar

Engr. Karim Ullah, Lab Engineer
M.Sc. Civil Engineering (Construction Management)
(In Progress) INU, Peshawar
B.Sc. Civil Engineering UET, Peshawar

Engr. Syed Amir Mehmood, Lab Engineer
M.Sc. Civil Engineering (Transportation Engineering)
(In Progress) MCE, Rislapur
B.Sc. Civil Engineering CECOS, Peshawar

Engr. Muhammad Imad, Lab Engineer
M.Sc. Civil Engineering (Transportation Engineering)
(In Progress) MCE, Rislapur
B.Sc. Civil Engineering CECOS, Peshawar.

Engr. Inam Ullah, Lab Engineer
M.Sc. Civil Engineering (Construction Management)
(In Progress) MCE, Rislapur
B. c. Civil Engineering CUSIT, Peshawar

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

Engr. Aiman Afridi, Lab Engineer
B.Sc. Civil Engineering UET, Peshawar
M.Sc. Transportation Engineering (In Progress)
MCE, Risalpur

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

1. To provide students with high quality education and training required to fully develop their professional qualities and skills as Civil Engineers.
2. To provide their personal potential to the greatest extent possible to be able to pursue higher studies and research.
3. To enable them to do research to serve the people and society of KP and Pakistan for their socio-economic development.
4. Develop University Consultancy group in diversified Civil Engineering fields for economically sustainable and socially acceptable Civil Engineer Program.

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 pursual of continued life-long learning

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 Sustain ability: 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 cam to apply the knowledge of survey in field.

Department of
Civil Engineering

0252   B.Sc. Civil Engineering

Shift   :   Morning
Duration   :   4 Years, 8 Semesters, 139 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-121	Properties of Concrete	2
CE-121 (L)	Properties of Concrete	1
CE-122	Engineering Mechanics	3
CE-122 (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-211	Engineering Surveying-I	2
CE-211 (L)	Engineering Surveying-I	1
CE-212	Mechanics of Solids-I	3
CE-212 (L)	Mechanics of Solids-I	1
CE-213	Construction Engineering	2
CE-214	Computer Aided Civil Engg. Drawing & Graphics	2
CE-214 (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-224	Engineering Surveying-II	2
CE-224 (L)	Engineering Surveying-II	1
CE-225	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-313	Geotechnical Engineering-I	3
CE-313 (L)	Geotechnical Engineering-I	1
CE-314	Environmental Engineering-I	2
CE-314 (L)	Environmental Engineering-I	1
CE-315	Geoinformatics	1
CE-315 (L)	Geoinformatics	1
CE-316	Engineering Geology	2

6th Semester

Course	Course Title	Credit Hours
CE-321	Geotechnical Engineering-II	3
CE-321 (L)	Geotechnical Engineering-II	1
CE-322	Transportation Engineering-I	3
CE-323	Plain & Reinforced Concrete-I	3
CE-323 (L)	Plain & Reinforced Concrete-I	1
CE-324	Environmental Engineering-II	2
ECO-303	Engineering Economics	2
ENG-201	Business Communication	2

Department of
Civil Engineering

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 statuary bodies of CUSIT.

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. Muhammad Asif
(Head of Department)**
Ph.D (Electronic Engineering)
University of Chinese Academy of Sciences, China

Prof. Dr. Sahibzada Fayaz Noor
Professor
Ph.D. (Electrical Engineering)
University of Strathclyde Glasgow, UK

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

Engr. Imranzeb Durrani
Lecturer
MS (Electrical Engineering) LUMS, Lahore
BS (Electrical Engineering) FAST, Peshawar

Engr. Mubashir Javed
Lecturer
MS (Electrical Engineering), CUSIT, Peshawar
B.Sc. (Electrical Engineering), CUSIT, Peshawar

Engr. Bahadar Shah
Lecturer
MS (Electrical Engineering), CUSIT, Peshawar
B.Sc. (Telecommunication Engineering), CUSIT, Peshawar
Ph.D (Electrical Engineering) (In progress)

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

Engr. Fazal e Subhan
Lab Engineer
MS (Electrical Engineering) USPCASE, UET, Peshawar
B.Sc. (Electrical Engineering), UET, Peshawar

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

Engr. Saad Hassan Kiani
Lab Engineer
MS (Electrical Engineering), Iqra National University, Peshawar
B.Sc. (Electrical Engineering), CUSIT, Peshawar

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)

Mr. Safiullah
Lab Assistant
B.Sc. (Electrical Engineering Technology), CUSIT, Peshawar
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 to an up-to-date library, stocked with the latest reading materials and text-books for the use of the 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 nine batches of the University i.e. 2008, 2009, 2010, 2011,2012,2013, 2014 , 2015, 2016 & 2017 so far.

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 Electrical Engineering at the highest professional level.

PEO – 2: Demonstrate necessary background, technical and communication skills to work professionally in or more relevant areas of Electrical Engineering.

PEO – 4: Demonstrate pursual of continued lifelong learning.

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

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. 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 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	**IDEE-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
CSC216(L)	Data Structure & Algorithms	1
MTS-216	Probability Methods for Engineers	3
EE-205	**Elective-I**	3
EE-205(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	**IDEE-ll** (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
HRM-410	Entrepreneurship Skills	3
ECO-301	Project Management	3
EE-499	Final Year Project Phase-l	3

8th Semester

Course	Course Title	Credit Hours
EE-4XX	Elective-IV	3
EE-4XX(L)	Elective-IV	1
EE-4XX	Elective-V	3
MGT-311	Engineering Economics	3
EE-499	Final Year Project Phase-II	3
EE-412	Renewable Energy System	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 : Weekend
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.

Department of

ENGINEERING TECHNOLOGY

BS Electrical Engineering Technology
BS Civil Engineering Technology

Faculty Members of
Electrical Engineering Technology

Engr. Sheraz Abbas
Head of Department
Lecturer
Ph.D (Structure Engineering)
Tongji University Shanghai, China (in progress)
M.Sc (Structural Engineering) UET Peshawar
B.Sc (Civil Engineering) UET Peshawar

Engr. Burhan Ud Din
Program Coordinator
Lecturer
M.Sc. (Electrical Engineering)
Fast National University, Peshawar
B.Sc. (Telecommunication Engineering),
CUSIT, Peshawar

Engr. Umair Rahim (Lecturer)
MS (Electrical Engineering) IUKL, Malaysia
BS (Electrical Engineering) CUSIT, Peshawar

Engr.T. Naveed Ur Rehman (Lecturer)
MS (Electrical Engineering) COMSATS, Abbotabad
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Engr.T. Abdullah Jan (Junior Lecturer)
MS (Electrical Engineering) (In progress)
BS (Electrical Engineering) CUSIT, Peshawar

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MS (Electrical Engineering) UET, Peshawar
BS (Electrical Engineering) UET, Peshawar

Engr. Suleman Tahir (Lecturer)
MS (Electrical Engineering) NUST, Islamabad
BS (Electrical Engineering)
FAST National University, Peshawar

Department of
Electrical Engineering Technology

Mission Statement

The mission of Electrical Engineering Technology Department is to provide high quality education in pure and applied engineering technology in order to prepare students for graduate studies or professional careers in applied technology. 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 engineering technology.

Preamble

The National Technology Council (NTC) has been established by Higher Education Commission of Pakistan (HEC) as a statutory autonomous body to regulate the Quality and Conduct of Engineering Technology Education Programs in Pakistan, ensure competence of Graduate Engineering Technologists and help socio-economic uplift of the country. The strategic focus of National Technology Council is to improve Quality of Engineering Technology Education Programs based on Outcome Based Education (OBE) & Outcome Based Assessment (OBA) system through a comprehensive Policy & Processes of Accreditation and Certification, adopting international best practices both in public and private Higher Education Institutions / universities imparting Engineering Technology Education in the country.

NTC has set up Technology Accreditation Board (TAB) to monitor the growth and quality of Engineering Technology Education in Pakistan. NTC's TAB has a mandate to evolve procedures, articulate the criterion, define parameters, and establish appropriate benchmarks. Accordingly, NTC has designed Accreditation & Evaluation processes and Accreditation Manual, First Edition -2017, incorporating all aspects of OBE and OBA applicable to Engineering Technology Education Programs being run in the country. It is expected to serve as guidelines to the Higher Education Institutions (HEIs) and all stakeholders to meet Quality Assurance Standards. Consequently, Degree Awarding Institutions (DAIs) are expected to produce competent Engineering Technologists to meet stakeholders' requirements and contribute their best for the National development. City University of Science & Information Technology, Peshawar has started Electrical Engineering Technology since 2015.

Program Learning Outcomes (PLOs)

Electrical Engineering Technology Program at CUSIT has been adopted the twelve attributes which includes Knowledge (Cognitive domain), Skills (Psychomotor domain) and Attitudes (Affective domain) that should be attained by the students at the time of graduation as a program learning outcome. The NTC Manual of Accreditation 2017, based on Outcome Based Education and Assessment (OBE/OBA), has identified the 12 generic Program Learning Outcomes for engineering technology programs.

For BSc Electrical Engineering Technology program, these Program Learning Outcomes (PLOs) have been customized to the needs and demand of the program. The Course Learning Outcome (CLOs) and Lecture Learning Outcomes (LLOs) for all courses/lectures have been aligned with the PLOs. Both direct and indirect assessment system has been deployed for measuring the individual and cohort based performance.

Continuous Quality Improvement

For CUSIT, quality is always a journey to excellence, which would never stop. The endeavours of the Management, faculty and staff are always aimed at creating excellence in teaching, research and all components of Learning Management System. This is essential for survival of the University, operating in private sector, as the market dynamics and demand supply conditions of the program require to establish high level of quality in all its pursuits, based on the principles of Total Quality Management (TQM).

Department of
Electrical Engineering Technology

Program Educational Outcomes (PEOs)

PEO-1: To make technically competent electrical engineers equipped with high quality of education and skills.

PEO-2: Provide effective solutions for contemporary and future technical challenges in electrical engineering by gathering and utilizing knowledge and skills to contribute in socio-economic development.

PEO-3: Be sensitive to ethical and societal aspects while undertaking an engineering task; individually or in a team.

PEO-4: Demonstrate life-long learning, to improve their professional capabilities for personal fulfillment and for the betterment of society.

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.

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.

Department of
Electrical Engineering Technology

0276   B.Sc. Electrical Engineering Technology

Shift : Afternoon
Duration : 4 Years, 8 Semesters, 132 Credit Hours
Eligibility : DAE (Electrical) or equivalent with at least 50% marks from any recognized Board.

1st Semester

Course	Course Title	Credit Hours
CSC-118	Introduction to computer Fundamentals	1
CSC-118 (L)	Introduction to computer Fundamentals Lab	2
ENG-116	Functional English	1
HUM-131	Islamic Studies	1
MTS-121	Applied Mathematics - I	3
PHY-102	Applied Physics	2
PHY-102 (L)	Applied Physics Lab	1
ET-116	Linear Circuit Analysis	2
ET-116 (L)	Linear Circuit Analysis Lab	2

2nd Semester

Course	Course Title	Credit Hours
ET-119	Electronics	2
ET-119 (L)	Electronics Lab	2
ET-117	Power Generation Systems and Utilization	2
ET-314	Basic Mechanical Technology	2
ET-114 (L)	Engineering Drawing Lab	2
ENG-101	Communication Skills	2
HUM-102	Pakistan Studies	1
MTS-124	Applied Mathematics – II	3

3rd Semester

Course	Course Title	Credit Hours
ET-221	AC Circuits Analysis	2
ET-221 (L)	AC Circuits Analysis Lab	2
ET-217	Electromagnetic Field Theory	2
ET-220	Electrical Instrumentation & Measurements	2
ET-220 (L)	Electrical Instrumentation & Measurements Lab	2
ET-219	Digital Electronics	2
ET-219 (L)	Digital Electronics Lab	2
MGT-204	Total Quality Management	2
MGT-205	Professional Ethics	1

4th Semester

Course	Course Title	Credit Hours
ET-174	Electrical Machine-I	2
ET-174 (L)	Electrical Machine-I Lab	1
ET-273	Electrical Power Transmission & Distribution	2
ET-273 (L)	Electrical Power Transmission & Distribution Lab	2
EH-322	Technical Report Writing	2
ET-317	Power Electronics	2
ET-317 (L)	Power Electronics Lab	2
ET-214	Communication Technology	2
ET-214 (L)	Communication Technology Lab	2

5th Semester

Course	Course Title	Credit Hours
ET-313	Microprocessor Theory & Interfacing	2
ET-313 (L)	Microprocessor Theory & Interfacing Lab	1
ET-244	Electrical Machine-II	2
ET-244 (L)	Electrical Machine-II Lab	2
ET-311	Signals and Systems	2
ET-311 (L)	Signals and Systems Lab	1
ET-323	Switch Gears & Protective Devices	2
ET-323 (L)	Switch Gears & Protective Devices Lab	1
ET-353	Power System Analysis	3

6th Semester

Course	Course Title	Credit Hours
ES-301	Occupational Health and Safety	3
ET-343	Control Technology	2
ET-343 (L)	Control Technology Lab	1
ET-364	Data Communication & Computer Networks	2
ET-364 (L)	Data Communication & Computer Networks Lab	2
ET-373	High Voltage Technologies	3
ET-499	Project Phase-I	3

Semester 06 (Summer Project Work

Course	Course Title	Credit Hours
ET-499	Project Phase-II	3

7th Semester

Course	Course Title	Credit Hours
ET-4116	16 Weeks Supervised Industrial Phase-I / Field Training (8x5=40Hrs / Week)	16

7th Semester

Course	Course Title	Credit Hours
ET-4116	16 Weeks Supervised Industrial Phase-II / Field Training (8x5=40Hrs / Week)	16

Faculty Members of
Civil Engineering Technology

Engr. Sheraz Abbas
Head of Department
Lecturer
Ph.D (Structure Engineering)
Tongji University Shanghai, China (in progress)
M.Sc (Structural Engineering) UET Peshawar
B.Sc (Civil Engineering) UET Peshawar

Engr. Zeeshan Umar
Program Coordinator
Lecturer
M.Sc. (Structure Engineering)
UET Peshawar
B.Sc. (Civil Engineering)
UET Peshawar

Engr. Sheraz Abbas
(Incharge Deptt. of Technology / Lecturer)
Ph.D (Structure Engineering) Tongji University
Shanghai, China (in progress)
M.Sc (Structural Engineering) UET Peshawar
B.Sc (Civil Engineering) UET Peshawar

Engr. Muhammad Fahad Ullah (Lecturer)
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Shanghai, China (in progress)
M.Sc (Structural Engineering) UET Peshawar
B.Sc (Civil Engineering) UET Peshawar

Engr. Muhammad Mashhood Khan
(Junior Lecturer)
M.Sc. (Geotechinical Engineering)
NUST, Islamabad (in progress)
B.Sc. (Civil Engineering) IIUI, Islamabad

Engr. Rahman Ullah (Lab Engineer)
M.Sc (Urban Infrastructure Engineering)
NIUP, UET Peshawar (in progress)
B.Sc. (Civil Engineering) CUSIT, Peshawar

Engr. Zeeshan Umar (Lecturer)
M.Sc. (Structure Engineering) UET Peshawar
B.Sc. (Civil Engineering) UET Peshawar

Engr. Faizan Halim (Lecturer)
M.Sc. (Structure Engineering) CECOS, Peshawar
B.Sc. (Civil Engineering) UET Peshawar

Engr. Muhammad Saad Waheed
M.Sc. (Transportation Engineering) NUST, Islamabad
B.Sc. (Civil Engineering) UET Peshawar

Engr.T. Sajid Iqbal (Junior Lecturer)
M.Tech (Civil) Sarhad University Peshawar
(in progress)
B.Tech (Civil) CUSIT, Peshawar

Engr. Basit Ali (Lab Engineer)
B.Sc. (Civil Engineering) CUSIT, Peshawar

Department of
Civil Engineering Technology

Vision

To produce technologists with excellence in technical qualities to serve the nation.

Mission

- To provide, students with high-quality education and training required to fully develop their professional qualities and skills.
- To develop their personal and technical potential to the greatest extent possible to pursue higher studies.
- To provide technical solution to problems and serve the people and society of KP and Pakistan for their socio-economic development.

Civil Engineering Technology Program Education objectives:

PEO-1. Successfully practice in Civil Engineering industry.

PEO-2. Basic knowledge of construction practices for better supervision of construction projects.

PEO-3. Be able to supervise and communicate in the field.

PEO-4. Strive for the improvement of society using Engineering practices.

Civil Engineering Technology Program Learning Outcomes (PLOs)

The graduates of City University will achieve the following outcomes by the time they graduate:

PLO-1: Engineering Technology Knowledge (SA1): An ability to apply knowledge of mathematics, natural science, Engineering Technology fundamentals and Engineering Technology specialization to defined and applied Engineering Technology procedures, processes, systems or methodologies.

PLO-2: Problem Analysis (SA2): An ability to Identify, formulate, research literature and analyze broadly-defined Engineering Technology problems reaching substantiated conclusions using analytical tools appropriate to the discipline or area of specialization.

PLO-3: Design/Development of Solutions (SA3): An ability to design solutions for broadly-defined Engineering Technology problems and contribute to the design of systems, components or processes to meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PLO-4: Investigation (SA4): An ability to conduct investigations of broadly-defined problems; locate, search and select relevant data from codes, data bases and literature, design and conduct experiments to provide valid conclusions.

PLO-5: Modern Tool Usage (SA5): An ability to Select and apply appropriate techniques, resources, and modern technology and IT tools, including prediction and modelling, to broadly-defined Engineering Technology problems, with an understanding of the limitations.

PLO-6: Engineering Technologist and Society (SA6): An ability to demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant 13 to Engineering Technology practice and solutions to broadly defined Engineering Technology problems.

PLO-7: Environment and Sustainability (SA7): An ability to understand and evaluate the sustainability and impact of Engineering Technology work in the solution of broadly defined Engineering Technology problems in societal and environmental contexts.

PLO-8: Ethics (SA8): Understand and commit to professional ethics and responsibilities and norms of Engineering Technology practice.

PLO-9: Individual and Team Work (SA9): An ability to Function effectively as an individual, and as a member or leader in diverse teams.

PLO-10: Communication (SA10): An ability to communicate effectively on broadly defined Engineering Technology activities with the Engineering Technologist community and with society at large, by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

Department of
Civil Engineering Technology

PLO-11: Project Management (SA11): An ability to demonstrate knowledge and understanding of Engineering Technology management principles and apply these to one's own work, as a member or leader in a team and to manage projects in multi disciplinary environments.

PLO-12: Lifelong Learning (SA12): An ability to recognize the need for, and have the ability to engage in independent and life-long learning in specialist Engineering Technologies.

Department of
Civil Engineering Technology

0278   B.Sc. Civil Engineering Technology

Shift   :   **Afternoon**
Duration   :   **4 Years, 8 Semesters, 130 Credit Hours**
Eligibility   :   **Minimum 50% marks in DAE Civil or Minimum 50% marks in F.Sc (Pre-Engineering).**
                  Qualifying the Entry Test.

1st Semester

Course	Course Title	Credit Hours
CT-154	Material & Methods of Constructions	2
CT-154 (L)	Material & Methods of Constructions	1
CS-113	Applied Mathematics-I	3
CS-123	Introduction to Computer Fundamentals	1
CS-123 (L)	Introduction to Computer Fundamentals	1
CT-113	Civil Engineering Drawing	1
CT-113 (L)	Civil Engineering Drawing	2
CT-124	Surveying	2
CT-124 (L)	Surveying	2

2nd Semester

Course	Course Title	Credit Hours
CH-112	Islamic Studies / Professional Ethics	2
CT-134	Concrete Technology	2
CT-134 (L)	Concrete Technology	2
CH-123	Communication Skills	3
CT-144	Applied Mechanics	2
CT-144 (L)	Applied Mechanics	1
CS-133	Applied Mathematics - II	3
CM-112	Occupational Health and safety Management	2

3rd Semester

Course	Course Title	Credit Hours
CT-212	Introduction to Architecture and Town Planning	2
CH-212	Pakistan Studies	2
CT-233	Soil Mechanics	2
CT-233 (L)	Soil Mechanics	1
CT-243	Fluid Mechanics	2
CT-243 (L)	Fluid Mechanics	1
CT-254	Mechanics of Solids	2
CT-254 (L)	Mechanics of Solids	1
ENG-116	Functional English	2

4th Semester

Course	Course Title	Credit Hours
CT-264	Transportation Engineering	2
CT-264 (L)	Transportation Engineering	1
CT-274	Water Supply & Waste Water Management	2
CT-274 (L)	Water Supply & Waste Water Management	1
CM-213	Environmental Management	2
CM-213 (L)	Environmental Management	1
CT-283	Theory of Structures	2
CT-283 (L)	Theory of Structures	1
CH-223	Technical Report Writing	3

5th Semester

Course	Course Title	Credit Hours
CT-313	Hydrology	2
CT-313 (L)	Hydrology	1
CT-323	Reinforced Concrete Structures	2
CT-323 (L)	Reinforced Concrete Structures	1
CT-333	Construction and Hydraulic Machinery	2
CT-333 (L)	Construction and Hydraulic Machinery	1
CT-353	Foundation Engineering	2
CT-353 (L)	Foundation Engineering	1
CM-313	Project Management	3

6th Semester

Course	Course Title	Credit Hours
CT-363	Pre-stressed & Precast concrete	2
CT-363 (L)	Pre-stressed & Precast concrete	1
CT-373	Geology & Earthquake Engineering	2
CT-373 (L)	Geology & Earthquake Engineering	1
CT-383	Irrigation and Hydraulic Structures	2
CT-383 (L)	Irrigation and Hydraulic Structures	1
CT-393	Steel Structures	2
CT-393 (L)	Steel Structures	1
CT-223	Quantity Surveying and Contract Documents	1
CT-223 (L)	Quantity Surveying and Contract Documents	2
CT-3103	Project	3

Semester 06 (Summer Project Work)

Course	Course Title	Credit Hours
CT-3113	Project (Continue)	3

7th Semester

Course	Course Title	Credit Hours
CT-4116	Professional Supervised Field Training (8x5=40 hrs / Week)	16

8th Semester

Course	Course Title	Credit Hours
CT-4216	Professional Supervised Field Training (8x5=40 hrs / Week)	16

Department of **English**

BS. English
MS. English

Faculty Members of **English**

Dr. Zulfiqar Ali
(Head of Department)
Ph.D (Applied Linguistics)
MA. English (Literature), University of Peshawar
MA. Intl ELT & Applied Linguistics
London Metropolitan University, UK

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

Dr. Humaira Riaz
Assistant Professor
PhD English (Literature) Fatima Jinnah University, Rawalpindi

Dr. Ishaq Khan
Assistant Professor
PhD English (Literature)
Qurtuba University of Science & I.T, Peshawar

Ms. Sheeba Sadaf
Lecturer
MS English (Literature) Bacha Khan University, Charsadda
MA. English, University of Peshawar

Ms. Uzma
Lecturer
MS English (Applied Linguistics) University of Peshawar
MA. English, University of Peshawar

Mr. Ahmad Farooq
Lecturer
MS English (Linguistics) in progress
Islamia College University, Peshawar
MA English, NUML, Islamabad

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

Mr. Syed Zia Ullah Shah
Lecturer
MS. English (Literature) Qurtuba University of Science & I.T, Peshawar
MA English (Literature & Linguistics) University of Peshawar

Ms. Naureen Waqar
Lecturer
MS English (Linguistics) City University, Peshawar
MA English, University of Peshawar

Ms. Bibi Ranra
Lecturer
MS English (Applied Linguistics) University of Peshawar
MA English (Literature & Linguistics) University of Peshawar

Mr. Muhammad Ishtiaq
Lecturer
MS English (Literature) City University, Peshawar
MA English (Literature & Linguistics)
Abdul Wali Khan University, Mardan

Mr. Rahil Kashif
Lecturer
MA English (Literature & Linguistics) NUML, Peshawar

Mr. Rizwan Safdar
Lecturer
MS English (Literature) in progress Qurtuba University, Peshawar
MA English (Linguistics & Literature) NUML, Peshawar

Mr. Ihsan Ullah
Lecturer
MS English (Literature) University of Peshawar
MA English (Literature & Linguistics) University of Peshawar

Department of **English**

Vision Statement

The vision of the department of English is to provide state of the art education in English (Literature and Linguistics) that enables the new generation to meet the challenges of the future by reading professional writers, and their own creative and critical production and presentation in Linguistics and English Literature.

Mission Statement

To ensure the graduation of competent, dynamic and reactive individuals in the study of English Literature and Linguistics.

Objective

- To educate students in both the artistry and utility of English language through the study of literature and other contemporary forms of culture.
- To provide students with the critical faculties necessary in academic environment, on the job, and in an increasingly complex, interdependent world
- To graduate students who are capable of performing research analysis and criticism of literary and cultural texts from different historical period and genre
- To assist students in the development of intellectual flexibility, creativity, and cultural literacy so that they may engage in life-long learning.

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

- Familiar with representative literary and cultural texts within a significant number of historical, geographical, and cultural contexts.
- Able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genre
- Able to identify, analyze, interpret and describe the critical ideas, values and themes that appear in literary and cultural texts and understand the way these ideas, values and themes inform and impact culture and society, both now and in the past.
- Able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.
- Able to ethically gather, understand, evaluate and synthesize information from a variety of written and electronic sources.
- Proficient in oral digital and written ....

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

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-104	Psychology	3

2nd Semester

Course	Course Title	Credit Hours
ENG-120	History of English Literature-I (Medieval to Romantics)	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
ENG-223	Introduction to Geography	3
ENG-216	Semantics	3

5th Semester

Course	Course Title	Credit Hours
ENG-206	Poetry-I	3
ENG-320	Classical and Renaissance Drama	3
ENG-319	Novel-II	3
ENG-313	Discourse Analysis	3
ENG-310	Sociolinguistics	3
ENG-209	American Literary Movements-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**

0322 MS. English

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.

Introduction

English may be regarded a professional degree in terms of its wide demand as basic qualification to enter the teaching profession- from the nursery to the tertiary level. Hitherto, an MA in English was the degree of choice for young men and women to enter the teaching profession as teachers of English at whatever level. However, the situation is changing due to the ever- increasing thrust from the Higher Education Commission with a view to transforming higher education in Pakistan. Recently, HEC has encouraged private-sector universities to start MS/M.Phil programs. It is, therefore, an opportune time for the private-sector universities to grab this opportunity. Keeping in view this new thrust and the importance of MS/ M.Phil degrees for future of the discipline, CUSIT has resolved to initiate MS/ M.Phil Degree program in the discipline of English Literature and Linguistics.

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	
Sociolinguistics	3
World Englishes	3

1st Semester

Linguistics & Literature

Course	Course Title	Credit Hours
ENG-601	Research Methodology and Writing (core course)	3
ENG-6XX	Core Course for Linguistics / Literature	3
ENG-6XX	Core Course for Linguistics / Literature	3
ENG-6XX	Elective-I	3

2nd Semester

Linguistics & Literature

Course	Course Title	Credit Hours
ENG-6XX	Elective-II	3
ENG-6XX	Elective-III	3
ENG-6XX	Elective-IV	3
ENG-6XX	Elective-V	3

3rd Semester

Linguistics & Literature

Course	Course Title	Credit Hours
ENG-699	Research Thesis	3

4th Semester

Linguistics & Literature

Course	Course Title	Credit Hours
ENG-699	Research Thesis	3

Department of
Health Sciences

Doctor of Physical Therapy (DPT)
BS Medical Laboratory Technology (MLT)
BS Microbiology

Faculty Members of
Health Sciences

Mr. Muhammad Ibrahim (Ex-Director / Principal IPMR, KMU)
(Head of Department)
Professor
BS-Physical Therapy,
University of Karachi
Specialization Details:
1. Post Graduation in Pediatric Neurology from Salford College of Technology, Manchester (Presidential Scholarship)
2. Training in Manipulation of Vertebrae and limbs from Royal National Orthopaedic Hospital London
3. Training in Joints Disease from Robert John and Hunt Hospital Oswestry
4. Training in Spinal Injuries from Prominade Hospital Southport Liverpool, UK

Dr. F.M. Zafar Kaifi
Professor
Ph.D in-Organic Chemistry,

Mr. Muhammad Bilal Qasim
Lecturer
BS. Biotechnology, University of Peshawar
MS. Healthcare Biotechnology, NUST Islamabad

Ms. Lalina Maroof
Assistant Professor
Ph.D Microbiology
University of Peshawar

Prof. Dr. Habib ur Rehman
Professor
University of Peshawar
Ph.D Chemistry,
University of Glasgow, UK

Mr. Muhammad Uzair Khan
Lecturer
MPhil Biotechnology
CECOS University of IT and emerging sciences
PhD (In progress) Molecular biology and genetics
Khyber Medical University

Mr. Qaiser Shah
Junior lecturer
BS-Medical Laboratory Technolagy
Hafeez Institute of Medical Sciences Afiliated
with Khyber Medical Univesity

Dr. Aman Khan Afridi (PT)
Lecturer
Doctor of Physical Therapy
Khyber Medical University
Mphil Riphah International University Islamabad

Dr. Sareena Ikram (PT)
Lecturer
Doctor of Physical Therapy
Khyber Medical University
M.Phil Riphah International University Islamabad

Dr. Fouqia Anum Sana (PT)
Junior Lecturer
Doctor of Physical Therapy
Khyber Medical University

Dr. Zohaib Khalid (PT)
Junior Lecturer
Doctor of Physical Therapy
Khyber Medical University

Mr. Muhammad Jawad Ullah
Lecturer
M.Phil Microbiology
PhD (In progress)
University of Peshawar

Dr. Hira Wahab (PT)
Junior Lecturer
Doctor of Physical Therapy
Khyber Medcal University

Ms. Faiza Rashid
Lecturer
M.Phil Microbiology
University of Peshawar

Muhammad Israr
Demonstrator
BS Medical Lab Technoloy
M.PHIL (in progress)
Abbottabad University of Science and Technology

Farhan Haleem
Lecturer
Doctor of Physical Therapy
Khyber Medical University
Master in Neuromuscular Physical Therapy
Riphah International University Islamabad

Muhammad Irfan
Demonstrator
Doctor of physical therapy
Khyber Medical University

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 Msculoskeletal, 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 curatie.

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 & Welness	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-504	Biostatistics-II	3 (3-0)
DPT-505	Professional Practice (Laws, Ethics & Administration	2 (2-0)
DPT-506	Integumentry Physical Therapy	2 (2-0)
DPT-507	Supervised Clinical Practice-V	3 (0-3)

10th Semester

Course	Course Title	Credit Hours
DPT-508	Obstetrics & Gynaecological Physical Therapy	2 (2-0)
DPT-509	Paediatric Physical Therapy	2 (2-0)
DPT-510	Gerontology & Geriatric Physical Therapy	2 (2-0)
DPT-511	Sports Physical Therapy	2 (2-0)
DPT-512	Supervised Clinical Practice-VI	4 (0-4)
DPT-513	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
---------	Expository Writing-I: Functional English	3(3-0)
---------	Natural Sciences-I: Mathematics	3(3-0)
---------	Social Sciences-I: Sociology	3(3-0)
---------	Quantitative Reasoning-I: Introduction to Computing	3(3-0)
---------	Arts & Humanities-I: Philosophy	3(3-0)
---------	Civilization-I: Islamiat	3(3-0)

2nd Semester

Course	Course Title	Credit Hours
---------	Expository Writing-II: Comprehensive Writing	3(3-0)
---------	Natural Sciences-II: Ecology	3(3-0)
---------	Social Sciences-II: Management/ Entrepreneurship	3(3-0)
---------	Quantitative Reasoning-II: Statistics	3(3-0)
---------	Arts & Humanities-II: History	3(3-0)
---------	Civilization-II: Pak.Studies	

3rd Semester

Course	Course Title	Credit Hours
---------	Expository Writing-III: Academic Reading and Writing Skills	3(3-0)
---------	Behavioral Sciences	3(3-0)
---------	Medical Laboratory Instrumentation	3(2-1)
---------	Biochemistry-I	3(2-1)
---------	Human Anatomy-I	3(2-1)
---------	Human Physiology-I	3(2-1)

4th Semester

Course	Course Title	Credit Hours
---------	Biochemistry-II	3(2-1)
---------	Human Anatomy-II	3(2-1)
---------	Human Physiology-II	3(2-1)
---------	Epidemiology	3(3-0)
---------	Biosafety & Quality Control	3(2-1)

5th Semester

Course	Course Title	Credit Hours
---------	Chemical Pathology	3(2-1)
---------	General Pathology-I	3(2-1)
---------	General Pharmacology	3(2-1)
---------	Molecular Biology & Genetics-I	3(2-1)
---------	Hematology-I	3(2-1)
---------	Clinical Virology	3(2-1)

6th Semester

Course	Course Title	Credit Hours
---------	General Pathology-II	3(2-1)
---------	Molecular Biology & Genetics-II	3(2-1)
---------	Hematology-II	3(2-1)
---------	Clinical Pathology	3(2-1)
---------	Research Methodology	3(3-0)
---------	Clinical & Diagnostic Bacteriology	3(1-2)

7th Semester

Course	Course Title	Credit Hours
---------	Bioethics	3(3-0)
---------	Histopathology	3(2-1)
---------	Final Year Project-I	3(0-3)
---------	Immunology & Serology	3(2-1)
---------	Mycology & Parasitology	3(2-1)
---------	Bioinformatics	3(2-1)

8th Semester

Course	Course Title	Credit Hours
---------	Blood Banking	3(2-1)
---------	Seminar	3(3-0)
---------	Final Year Project-II	3(0-3)
---------	Public Health	3(3-0)

Department of
Health Sciences

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-116	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

EVENTS AND ACHIEVEMENTS
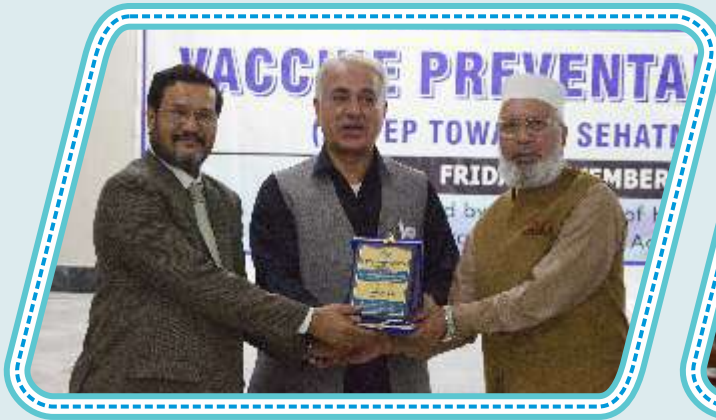
Department of

Management Sciences

**BBA, BS. Accounting & Finance, BS. Economics,
BS. Social Sciences, BS. Commerce,
MBA, MS. Management Sciences,
M.Phil Economics,
Ph.D Management Sciences**

Faculty Members of
Management Sciences

Dr. Aamir Nadeem
Associate Professor
Dean Faculty of Management Sciences
Ph.D (Marketing), Abasyn University, Peshawar

Dr. Muhammad Zahid
Assistant Professor/ Head of Department
Ph.D (Management Sciences)
Universiti Teknologi PETRONAS, Malaysia

Prof. Dr. Kashif ur Rehman, FRSA
Vice Chancellor
City University of Science & IT. Peshawar

Dr. Samra Kiran, Assistant Professor
Ph.D (Management Sciences)
Abdul Wali Khan University, Mardan
MS (Finance), IMSciences, Peshawar

Dr. Muhammad Nauman Habib, Assistant Professor
Ph.D (Management Sciences)
IMSciences, Peshawar
MS (HRM), IMSciences, Peshawar

Mr. Muhammad Zeeshan Ahmad, Assistant Professor
Ph.D (in progress)
M.Phil (Economics) University of Peshawar

Dr. Jangraiz Khan Assistant Professor
Ph.D (Economics) University of Peshawar

Dr. Zain Ullah, Assistant Professor
Ph.D Qurtaba University
MS (Business Administration) NUML, Islamabad

Mr. Zunnoorain Khan, Assistant Professor
Ph.D (in progress)
MS. (HRM), CECOS University, Peshawar

Dr. Muhammad Asif, Assistant Professor
Ph.D Qurtaba University
MS (Finance), Abasyn University Peshawar

Ms. Saima Bano, Lecturer
MBA, Quaid-e-Azam University, Islamabad
MS (HRM) Islamia College University, Peshawar

Mr. Sohrab Arshad, Lecturer
MBA, University of Sunderland, UK

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-209	Oral Communication	3
HRM-202	Human Resource Management	3
HUM-103	Sociology	3
MTS-217	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-301	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-311	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-402	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

B. Human Resource Management

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

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

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.
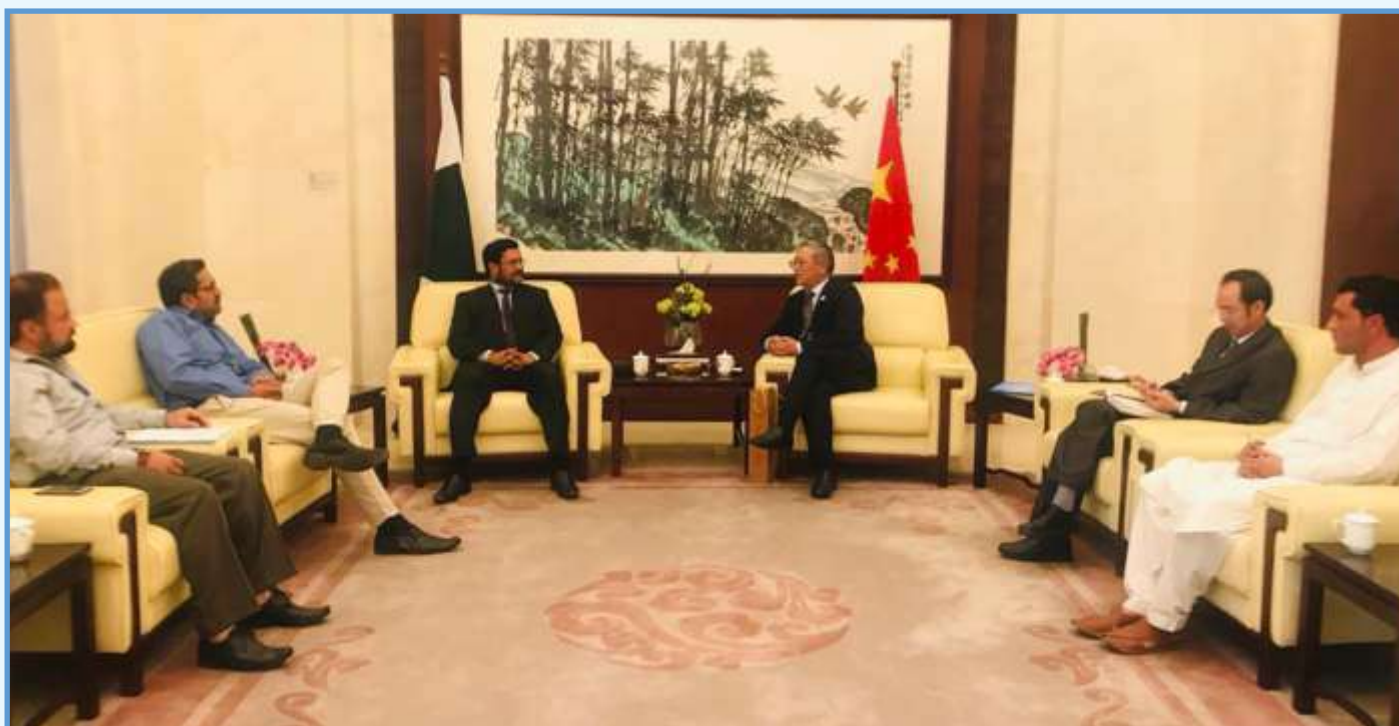
Department of
Management Sciences

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	Fresham English-II	3
HUM-102	Pakistan Studies	3
MGT-204	Introduction to Management	3
MTS-217	Business Statistics	3

3rd Semester

Course	Course Title	Credit Hours
ACC-206	Cost Accounting	3
ECO-103	Macro Economics	3
ENG-209	Oral Communication	3
FIN-202	Business Finance	3
FIN-301	Money, Banking & Finance	3
MKT-201	Principles of Marketing	3

4th Semester

Course	Course Title	Credit Hours
ACC-205	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-203	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-406	Accounting & Software	3
-------	Elective-III	3
-------	Elective-IV	3
MGT-499	Research Project*	3
		3

A. Finance
Elective Courses for Specialization

FIN-404	Financial Statement Analysis
FIN-402	Financial Institution and Capital Market
FIN-411	Strategic Finance
FIN-412	Corporate Risk Management
FIN-405	Islamic Financial System
FIN-403	Investment & portfolio Management
FIN-413	Merger & Acquisition
FIN-414	Case studies in Finance
FIN-415	Treasury and Fund Management

B. Accounting
Elective Courses for Specialization

ACC-407	Advanced Auditing
ACC-408	Accounting Information System
ACC-403	Advance Financial Accounting
ACC-409	Advance Financial Reporting Budgeting

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	Micro Economics	3
MTS-118	Mathematics-I	3

2nd Semester

Course	Course Title	Credit Hours
ECO-103	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-219	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-220	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-306	Micro Economics	3
ECO-307	Macro Economics	3
-------	Elective-VII (Non-Economics)	3
MTS-309	Mathematical Economics-I	3
ECO-301	Pakistan Economy	3
MGT-311	Research Methods	3

6th Semester

Course	Course Title	Credit Hours
MTS-310	Mathematical Economics-II	3
ECO-308	Econometrics-I	3
ECO-309	Economic Growth	3
-------	Elective-I (Economics)	3
ECO-310	Public Sector Economics	3

7th Semester

Course	Course Title	Credit Hours
MGT-419	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	

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
		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-323	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-311	Population Economics
ECO-312	Comparative Economics System
ECO-313	Agricultural Economics
ECO-314	Regional Economics
ECO-315	Energy Economics
ECO-316	Political Economy

Department of
Management Sciences

0270   **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-217	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-204	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-411	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. Human Resource 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

0272 BS Social Sciences

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

5th 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

6th 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
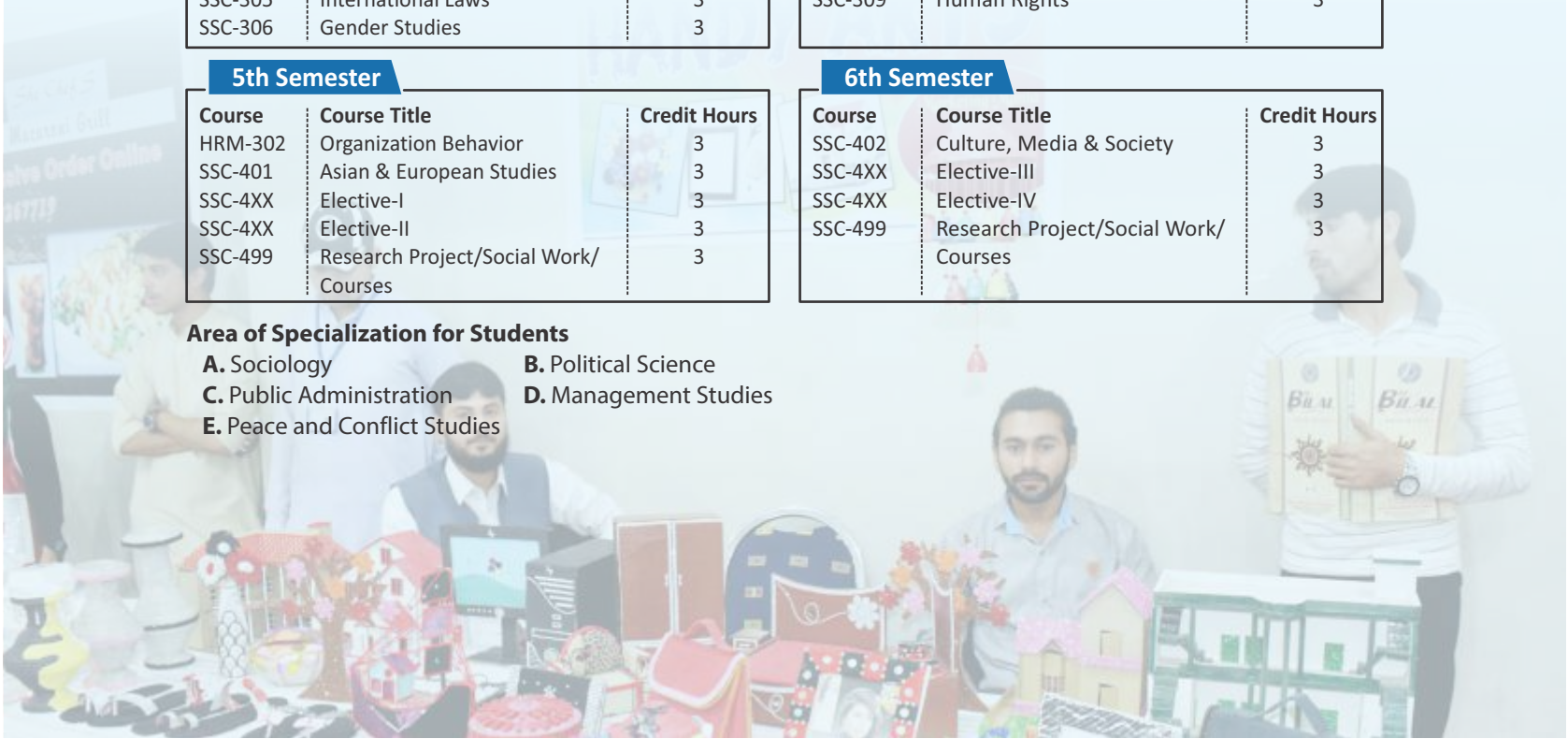
A. Sociology   **B.** Political Science
C. Public Administration   **D.** Management Studies
E. Peace and Conflict Studies

Department of Management Sciences

0312 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

0220 Master of Business Administration

Shift   : Weekend
Duration   : 2 years, 4 semesters, 72 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-306	Micro Economics	3
MGT-413	Principles of Management	3
MTS-204	Business Mathematics	3
ACC-401	Financial Accounting	3
MGT-307	Business Law	3
HRM-402	Human Resource Management	3

2nd Semester

Course	Course Title	Credit Hours
ECO-401	Macro Economics	3
ENG-201	Business Communication	3
MTS-217	Business Statistics	3
FIN-504	Business Finance	3
MKT-203	Marketing Management	3
MGT-416	Advance Research Methodology	3

3rd Semester

Course	Course Title	Credit Hours
ACC-501	Managerial Accounting	3
FIN-520	Strategic Finance	3
MGT-502	Production & Operation Management	3
MGT-505	Advance Strategic Management	3
-------	Elective-I	3
MGT-599	Dissertation / Research Project	3

4th Semester

Course	Course Title	Credit Hours
MKT-505	Strategic Marketing Management	3
-------	Elective-II	3
-------	Elective-III	3
-------	Elective-IV	3
MGT-599	Dissertation / Research Project	3
HRM-410	Organizational Behavior and Leadership	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
MGT-607	Research Methodology	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
ECI-699	Elective-IV	3
	Research Thesis	3

4th Semester

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

Elective Courses for M.Phil Economics

ECO-605	Economics of Natural Resources & Environment
HRM-607	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	Topics in Agricultural Economics
ECO-613	Topics in Urban Economics
ECO-609	Issues in Islamic Economics

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-----	Human Resource Information Systems
HRM-----	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, 28 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 (Marketing/ Finance/ HRM)	3
-------	Elective-II (Marketing/ Finance/ HRM)	3
-------	Elective-III (Marketing/ Finance/ HRM)	3

3rd to 6th Semester

Course	Course Title	Credit Hours
MGT-799	Ph.D Thesis	9

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.

Department of
Mathematics

BS Mathematics
Two Year Associate Degree
M.Sc Mathematics
MS 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

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

Dr. Taza Gul
Head of Center of Excellence in Analytical and Numerical Methods

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

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 todays 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 raw 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

Dean of Sciences and IT/HoD
Director ORIC/Associate Professor

Ph.D. Applied Mathematics, Universiti Teknologi Malaysia
M.S. Mathematics, Universiti Teknologi Malaysia
M.Sc. Economics, University of Peshawar

Dr. Taza Gul

Associate Professor

Ph.D. Mathematics, Abdul Wali Khan University, Mardan

Dr. Muhammad Shuaib

Associate Professor

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

Dr. Sami Ullah

Assistant Professor

Ph.D. Mathematics, COMSAT, Islamabad

Ms. Aamina

Lecturer/Coordinator

MS Mathematics, City University of Science & IT. Peshawar

Ms. Madeha Gohar

Lecturer

MS Mathematics, City University of Science & IT, Peshawar

Mr. Anees Imtiaz

Junior Lecturer/MS Coordinator

MS Mathematics, City University of Science & IT, Peshawar

Mr. Muhammad Bilal

Junior Lecturer/Teacher Assistant

MS Mathematics (In-progress).
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-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

5th Semester

Course	Course Title	Credit Hours
MTS-424	Topology-II	3
MTS-125	Discrete Mathematics	3
MTS-309	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-220	Differential Geometry and Tensor Analysis	3
MTS-401	Real Analysis- I	3
MTS-409	Numerical Analysis-I	3
MTS-209	Calculus-III	3
MTS-	Elective-III	3

7th Semester

Course	Course Title	Credit Hours
MTS-405	Real Analysis-II	3
MTS-310	Partial Differential Equations	3
MTS-429	Integral Equations	3
MTS-412	Numerical Analysis-II	3
MTS-503	Functional Analysis-I	3
MTS-403	Complex Analysis-I	3

8th Semester

Course	Course Title	Credit Hours
MTS-507	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. Mathematices 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

MASTER MATHEMATICS

0222   **Master of Science in Mathematics**

Shift   :   **Afternoon**
Duration :   **2 Years, 4 Semesters, 66 Credit Hours**
Eligibility :   **B.Sc. Mathematices 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
MTS-402	Group Theory	3
MTS-419	Advanced Calculus	3
MTS-404	Topology-I	3
MTS-408	Mathematical Statistics-I	3
MTS-403	Complex Analysis-I	3
MTS-423	Mathematical Tools	3

2nd Semester

Course	Course Title	Credit Hours
MTS-421	Real Analysis	3
MTS-413	Mathematical Statistics-II	3
MTS-505	Topology-II	3
MTS-407	Complex Analysis-II	3
MTS-521	Ordinary Differential Equations	3
MTS-513	Linear Algebra	3

3rd Semester

Course	Course Title	Credit Hours
MTS-409	Numerical Analysis-I	3
MTS-503	Functional Analysis-I	3
MTS-517	Rings & Fields	3
MTS-411	Number Theory	3
MTS-515	Measure Theory/Vector & Tensor Analysis	3

4th Semester

Course	Course Title	Credit Hours
MTS-412	Numerical Analysis-II	3
MTS-507	Functional Analysis-II	3
MTS-514	Mathematical Modeling	3
MTS-515	Partial Differential Equations	3
MTS-516	Dynamics	3

MS/Ph.D MATHEMATICS

0316   MS 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

1st 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 Presentaions

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.
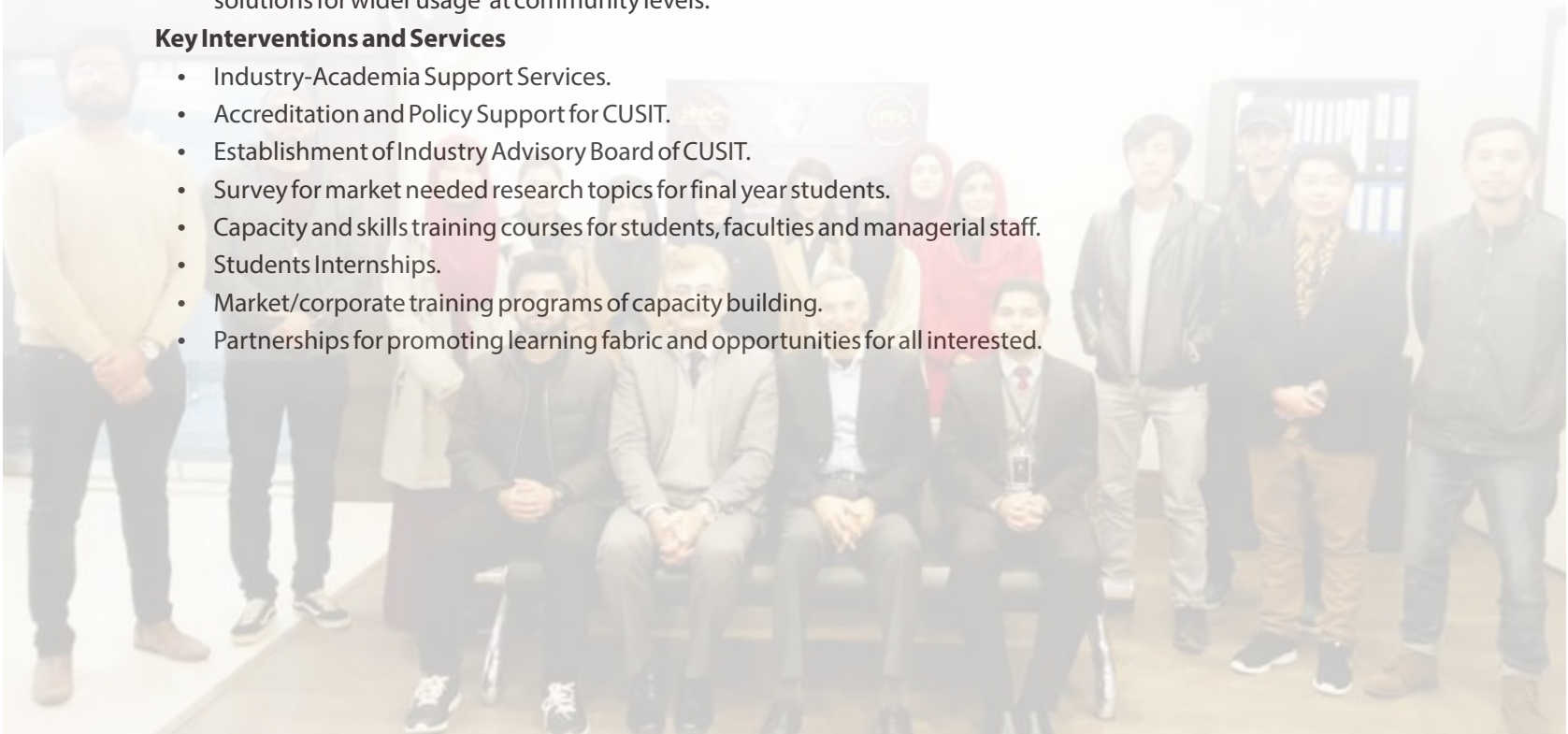
CU-CSR

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.

CDC

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

Mr. Abdul Haq MBE
Director CDC

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)

Introduction

In line with the policy of HEC and in pursuance of Vice Chancellor's directives for streamlining the management of research initiatives and programs. There was a need to re-enforce the existing Research and Development Centre already working at City University of science & IT Peshawar, for not only sustaining but also improving the trends of the research activities having an impact for the improvement of areas concerning economic, industrial, social and academic development and their accelerated advancements for achieving the national objectives.

Assoc. Prof. Dr. Farhad Ali
Director

Mission

The mission of ORIC is to develop, expand, enhance and manage the university's research programs and to link research activities directly to the educational, social and economic priorities of the university and its broader community. ORIC is also responsible for assuring the quality of research at highest international standards and advances the stature of the university among the world's best research institutions.

ORIC also positively contributes in developing research leadership to play their singular role in transforming the economic focus of the country through internationally recognized research outcomes and in line with the on-going policy of "National Research Program for the Universities" for building the national economy.

Publications

The faculty members, MS and Ph. D scholars of CUSIT, have published more than 140 research papers in different international well reputed journals in the last year.

International Conference

CUSIT organized the 3rd International Conference on Emerging Trends in Engineering, Management and Sciences (ICETEMS-2018) 18-19 October 2018. Researchers and industrialists from different countries participated and about 300 research papers were presented in the core areas of the conference by academia, professionals, practitioners and industrialists.

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.

Quality Enhancement Cell (QEC)

Dr. Muhammad Nauman Habib,
Director QEC / Assistant Professor
Ph.D (Management Sciences)
IMSciences, Peshawar
MS (HRM), IMSciences, Peshawar

Sohrab Arshad, Deputy Director, QEC
Muhammad Shakir, Deputy Director, QEC
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 proposed 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.

CITY UNIVERSITY

OF SCIENCE & INFORMATION TECHNOLOGY (CUSIT),
DALAZAK ROAD, PESHAWAR-PAKISTAN

Chartered by Government of Khyber Pakhtunkhwa | Recognized by Higher Education Commission (HEC) | Permitted by Pakistan Engineering Council | National Computing Education Accreditation Council (NCEAC) | National Accreditation Council for Teacher Education | National Business Education Accreditation Council | Higher Education Department | Pakistan Council of Architects and Town Planners | ACCREDITED PROGRAMME ACCA

PROGRAMS OFFERED

DEPARTMENT OF MANAGEMENT SCIENCES

BS
Accounting & Finance
With 09 Exemptions in (ACCA)

BS
✓ Economics
✓ Commerce
✓ Social Science

BBA   **MBA**   **MS-MS**
HRM/Finance/Marketing

M.Phil
(Economics)

Ph.D
Management Sciences

DEPARTMENT OF COMPUTER SCIENCE

BS-CS
Computer Science

BS-SE
Software Engineering

MS-CS
Computer Science

MS-SE
Software Engineering

Ph.D
Computer Science

DEPARTMENT OF MATHEMATICS

BS
Mathematics

MS
Mathematics

Ph.D
Mathematics

DEPARTMENT OF ELECTRICAL ENGINEERING

B.Sc
Electrical Engineering

MS
Electrical Engineering

Ph.D
Electrical Engineering

DEPARTMENT OF ENGLISH

BS
English

MS
English

DEPARTMENT OF ARCHITECTURE

B.Architecture
5 Years

DEPARTMENT OF HEALTH SCIENCES

DPT 5 Years
Doctor of Physical Therapy

BS-MLT
Medical Laboratory Technology

BS
Microbiology

BS
Dental Technology

BS
Anesthesia

DEPARTMENT OF ENGINEERING TECHNOLOGY

B.Sc
Electrical Engineering Technology

B.Sc
Civil Engineering Technology

DEPARTMENT OF CIVIL ENGINEERING

B.Sc
Civil Engineering

DEPARTMENT OF HINDKO

BS
Hindko

SCHOLARSHIPS AVAILABLE
As per University Policy

100% **50%** **30%** **20%**

25%
SPECIAL SCHOLARSHIP FOR FEMALE ONLY

For Online Registration: cu.edu.pk/admissions