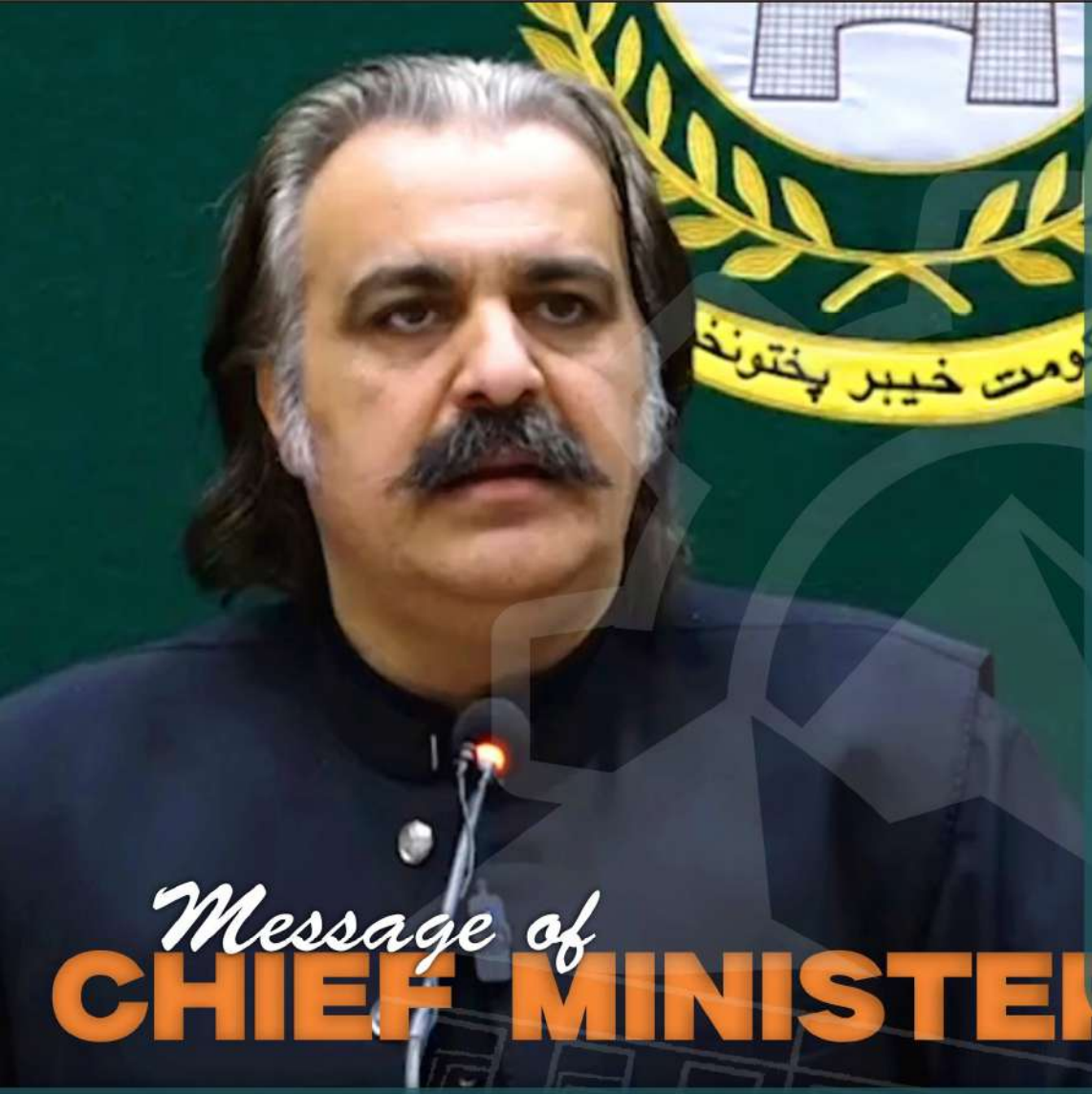
UNIVERSITY OF ENGINEERING & TECHNOLOGY MARDAN

PROSPECTUS 2025-26

ACADEMIC BLOCK

CONTENTS



Message of CHIEF MINISTER

Since its establishment in 2018, the University of Engineering and Technology (UET) Mardan has emerged as a dynamic hub of academic excellence, offering diverse undergraduate and graduate programs in engineering, technology, and natural sciences.

Our contemporary curriculum, enriched with research opportunities, practical training, and faculty development, equips students to excel in their careers and contribute to Pakistan's progress. UET Mardan has made remarkable strides in a short time, fostering innovation through modern infrastructure, state-of-the-art laboratories, and a conducive learning environment. The university's AI Vision initiative drives cutting-edge research in artificial intelligence and emerging technologies, positioning UET Mardan at the forefront of technological advancement. The establishment of the Iqbal Chair promotes intellectual discourse inspired by Allama Iqbal's vision, fostering critical thinking and cultural values.

Additionally, the mandatory inclusion of the Seerat-un-Nabi course, as directed by the Khyber Pakhtunkhwa government for all higher education institutions, enriches our student's ethical and moral framework, aligning with our commitment to holistic education. We are dedicated to addressing global challenges, particularly climate change, through innovative research and sustainable practices, preparing graduates to develop solutions for a greener future. Our progress toward a state-of-the-art campus, coupled with robust industry partnerships and international collaborations, enhances opportunities for student engagement and practical learning.

As Chancellor, I am proud of UET Mardan's achievements in academic excellence, research, and innovation. I encourage our students to seize the opportunities provided, pursue their goals with dedication, and become catalysts for Pakistan's industrial, economic, and sustainable development. Together, let us shape a brighter, more innovative future.

Ali Amin Gandapur
Chief Minister, Khyber Pakhtunkhwa

Message of VICE CHANCELLOR

It is my pleasure to welcome you to the University of Engineering and Technology (UET) Mardan— a rapidly growing institution committed to academic excellence, innovation, and societal impact. Since its establishment, UET Mardan has emerged as a leading center for engineering, technology, and applied sciences in Pakistan.

At UET Mardan, we are committed to nurturing creativity, critical thinking, and problem-solving. Our dedicated faculty, supported by state-of-the-art facilities including advanced laboratories and a comprehensive library, ensures a world-class education. Our engineering programs are accredited by the Pakistan Engineering Council (PEC) under the Outcome-Based Education (OBE) system, and our Computer Science program is recognized by the National Computing Education Accreditation Council (NCEAC), meeting global standards.

With over 23 years in academia, I am honored to lead UET Mardan toward becoming a beacon of innovation. Our vision empowers students to address complex engineering challenges, fostering entrepreneurship and leadership. We prioritize gender inclusivity through scholarships for women in STEM, mentorship programs, and policies promoting diverse representation in leadership.

To align with global advancements, we have established the Center of Artificial Intelligence, driving innovation in fields like AI, Cybersecurity, IoT, Cloud Computing, Quantum Computing, and Climate Change Solutions. Our Tech Vision initiative unites industry, academia, and research to foster collaboration and innovation. Additionally, as part of my commitment to sustainability, UET Mardan has transitioned to a green energy culture, with a fully solarized campus to reduce greenhouse gas emissions, reflecting our dedication to environmental responsibility. Our academic and research initiatives are designed to contribute to almost all the United Nations Sustainable Development Goals (SDGs), ensuring our impact extends locally and globally.

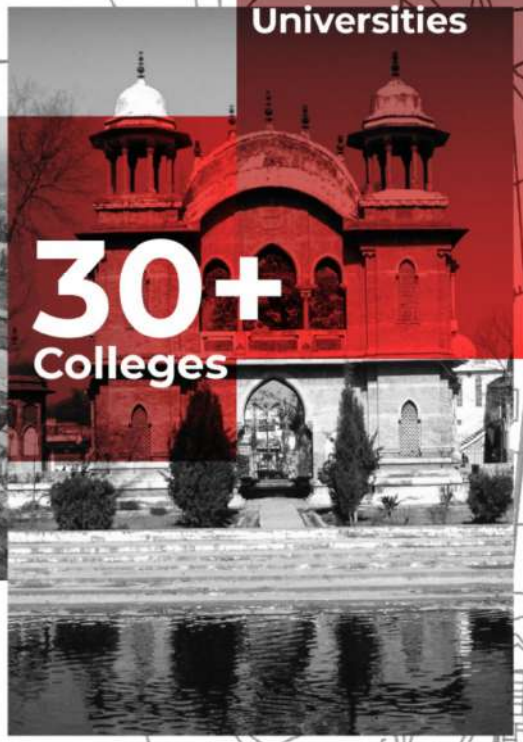
At UET Mardan, we aim to develop leaders, entrepreneurs, and innovators prepared to tackle global challenges. I invite you to join us on this transformative journey and explore the exciting opportunities that await you here.

Prof. Dr. Gul Muhammad
Vice Chancellor UET Mardan

ABOUT MARDAN

04+
Universities

05+
Culture & Historical Sites



30+
Colleges

06+
Hospitals

02+
Sports Complex

The City of MARDAN

Mardan has always been the centre for Education and Research. It is proven from its historical background. When this city came under the siege of Greeks lead by Alexander the Great in 327 B.C., Pushkalavati (Charsadda) was the capital of Gandhara, which is only 25 km from Mardan. The last capital of Gandhara, Hund, located in Swabi District; is also located at the same distance from Mardan as Charsadda. Pushkalavati remained the capital of Gandhara from 6th century BC to 1st century AD and Hund was the capital from 6th to the end of 10th century AD. In between Peshawar remained the capital of Gandhara from 1st to 5th century AD. It is for this reason, that Mardan is well known to the scholars and researchers of the entire world. As discussed earlier, Mardan is located in a region that is rich in archaeological sites and has a long rich history that can be back dated to thousands of years.

The oldest of artefacts like the Sanghao Caves, Ashoka remains, excavation sites like Jamal Garhi and Shahbaz Garhi are around in Mardan which are a testament to the rich culture and historical importance of this region. Furthermore, the UNESCO World Heritage site of Takht-i-Bahi is also in its close proximity. Besides, The Mardan Museum: A repository and showcase of the artefacts is just at a walking distance from the University of Engineering and Technology, Mardan.The City of Mardan has different population segments and tribes, and is the de-facto headquarter of the most hospitable and soft-spoken tribe of Pakhtun: Yousafzai and Gujjar tribe. A significant number of Mohmand and Utmankhel tribe members have settled in the city over the years. Gujjar Ghari, home of Mardan Gujjar, is the adjacent town. The city is located at the gateway of Northern Areas of Pakistan and has a great geographical significance. Mardan also happens to be the stopping and refreshment spot for all the tourists around the country as it connects places like Swat, Dir, Chitral, and Gilgit. Furthermore, with its central geographic location, the M1 (Islamabad-Peshawar) motorway connects it to Peshawar (65 km approx.) and Islamabad (144 km approx.).

Mardan City is home to one of the largest regiments of Pakistan Army, and the Punjab Regimental Centre lies at the heart of the city. The city is also a neighbour to Risalpur, the home of Pakistan Air Force, and forms a close proximity with the China and Pakistan Economic Corridor (CPEC) city: Rashakai, which can in future, provide industrial opportunities and economic growth. Mardan is also famous for its sweets called Badayuni Perhas. In remembrance to the left district after partition of sub-continent, Badayuni perhas are made by the same migrated tribe that use to make in Badayun (a district of Uttar Pradesh). The Badayuni Perhas are famous through-out Pakistan and are also exported abroad.

Additionally, Mardan is a perfect blend of traditional and urban lifestyle with a population of around 2.5 million, it is expanding fast and so are the businesses and markets. On one hand, the people of Mardan get to enjoy the traditional markets like: Gaju Khan Market, Ghareeb Market and Bank-Road, on the other hand, it also offers mega-malls and mega-marts for the shopping spree of its people. It has a variety of continental and traditional food and can satiate all types of palates with its traditional restaurants, modern cafes and road-side vendors that serve mouth-watering food. Recently, the main Nowshera-Mardan road has been transformed into a business hub with large shopping malls, food courts and plazas and is yet in the process of development and growth. It also offers health facilities, sports facilities and world-class education facilities. Mardan city is home to Oil mills, Sugar mills, Textile, Tobacco and Marble industry which makes it an industrial zone also.

ABOUT UET MARDAN

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libraries

About UET MARDAN

UET Mardan started its journey as a Campus of UET Peshawar in 2002 with two departments, i.e., Department of Computer Software Engineering and Department of Telecommunication Engineering. Department of Electrical Engineering was added later in the year 2012. The Campus was upgraded to a full-fledged University in 2018. Currently, UET Mardan has six academic departments, i.e., the Department of Computer Science, Department of Computer Software Engineering, Department of Civil Engineering, Department of Electrical Engineering, Department of Mechanical Engineering and the Department of Natural Sciences and Humanities offering BSc/BS, MSc/MS and PhD programs. All the engineering programs are accredited with the Pakistan Engineering Council (PEC) while the BS Computer Science program is accredited with the National Computing Education Accreditation Council (NCEAC). Starting with a noble vision to evolve as a distinguished seat of higher education and research and to contribute to local and global socioeconomic and technological development, utmost efforts have been made to impart quality education to the students, providing them with opportunities to develop hands-on skills and have a professional attitude.

All the programs have been shifted to the Outcome Based Education (OBE) which has enhanced the quality of instruction, assessment, feedback and further improvements. The University has dedicated, highly qualified faculty members, complemented by able and qualified staff to support the academics, state-of-the-art well-equipment labs, active liaison and collaboration with industry and other stakeholders. The university provides on-campus accommodation for students, staff and faculty with two boy's hostels and one girls' hostel, one staff hostel and many residential houses dedicated official caretakers as well as management staff.

For sports and entertainment, the university provides a football ground, a cricket ground, a basketball court, badminton courts besides indoor sports and hostel TV lounges that are necessary for the mental as well as physical health of our students. The university not only has easy access to the health and emergency response facilities of Mardan but also provides 24/7 on duty medical staff and a dedicated ambulance.

Vision Statement: The UET Mardan aims to evolve as a distinguished seat of higher education and research and to contribute to local and global socioeconomic and technological development.

Mission Objectives:

- To impart quality engineering knowledge to the masses, specially to the local population.
- To provide industry, academia and research organizations with top class graduates who are technically sound with great leadership and management skills, who can contribute to societal and economic growth.
- To keep abreast of the latest trends by liaising with regulatory bodies as well as with the customers, and to improve academic processes accordingly.

The features that set apart UET Mardan are:

Outcome Based Education System: Outcome Based Education is offered fully in-line with the Washington Accord.

Quality Enhancement Cell: Quality Enhancement Cell undertakes measures for ensuring academic quality assessment & enhancement and to assist in implementing Internal Quality Assurance (IQA).

Office of Research, Innovation & Commercialization: Office of Research, Innovation and Commercialization (ORIC) serves as a pivotal point, encompassing all the research activities-from development of research proposals to commercialization of research products.

UET Mardan facilitates the students with its best by providing:

Career Counselling: Availing the services of designated counsellors, the students of UET Mardan receive ample advice on academic and professional plans to help them shape their goals and objectives, make informed career choices, identify prospect employers as well as understand and get ready for future market trends.

Digital Access: Free access to the Internet is available all over the university campus for students and staff.

Libraries: The library of UET Mardan has enough stock and variety of books to cater for the needs of all offered academic programs. Access to HEC's Digital Library is also available.

Laboratories: The university has established state-of-the-art laboratories containing latest equipment where students conduct experimental and research work. Lists of labs are given in department specific sections of the prospectus.

Scholarships and Financial Aid: Many scholarships and financial support opportunities are available for deserving students. For further details, please refer to section "Fee Concession and Other Financial Assistance".

Disciplines: UET Mardan offers bachelors' degree programs in Telecommunication Engineering, Electrical Engineering, Computer Software Engineering, Civil Engineering, Mechanical Engineering, Computer Science and Natural Sciences and Humanities.


DEPARTMENT
of Computer Software Engineering

1 INTRODUCTION

Software Engineering is the discipline which deals with developing and maintaining software applications by applying technologies and practices from engineering, computer science, project management and other applicable fields. This branch of engineering is the thorough understanding of the entire process from Planning to Design, Development, Testing and Deployment.

2 FACULTY

Chairman

Prof. Dr. Ibrar Ali Shah	PhD. (UK)

Professors

Prof. Dr. Sadaqat Jan	PhD. (UK)
Prof. Dr. Ibrar Ali Shah	PhD. (UK)

Associate Professors

Dr. Muhammad Sohail Khan (Semster Co-ordinator)	PhD. (South Korea)

Assistant Professors

Dr. Shams Ur Rahman	PhD. (South Korea)
Engr. Imran Maqsood	MSc. (Pakistan)

Lecturers

Dr. Fahim Ullah Khan	PhD. (Pakistan)
Engr. Muhammad Ishaq	MSc. (Pakistan)
Engr. Shaharyar	MSc. (Pakistan)
Engr. Lubna Gul	MSc. (Pakistan)
Dr. Syed Zafar Ali Shah	PhD. (Pakistan)
Engr. Hamid Ullah	MSc. (Pakistan)
Engr. Farhan Naeem	MSc. (Pakistan)
Engr. Zia Ullah	MSc. (Pakistan)

Lab Engineers

Engr. Humayun Khan	MSc. (Pakistan)
Engr. Muhammad Nouman Sajid	BSc. (Pakistan)

Shared Faculty

Dr. M. Abbas Mahmood	PhD. (Thailand)
Dr. Murtaza Ali Bangash	PhD. (Pakistan)
Dr. Mushtaq Ahmad Khan	PhD. (China)
Dr. Ikram Ullah	PhD. (Pakistan)
Mrs. Naznina Hakim	MA (Pakistan)

3 PROGRAM MISSION

The mission of BSc. Computer Software Engineering program is to equip students with the concepts, techniques, skills and tools for the design & development of medium and large-scale software systems. To prepare graduates for professional careers in software industry, academia and research organizations by imparting them life-long learning capabilities.

4 ACADEMIC PROGRAMS

The Department offers the following Programs:

4.1. BSc. Computer Software Engineering

4.2. MSc. Computer Software Engineering

4.3. PhD. Computer Software Engineering

Department of Computer Software Engineering is offering BSc. degree since 2002, while its MSc. and PhD. programs started in the years 2019 and 2020 respectively. Software Engineering encompasses a wide range of topics including software requirements, specification, analysis, design, implementation, verification, deployment, reuse, project management and evolution of software products. An orthogonal perspective of the discipline includes engineering Software Systems for performance, reliability, security, scalability, maintainability, etc. It also encompasses the economic and organizational aspects.

5 PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

The graduates of BSc. Computer Software Engineering Program will be able to:

PEO 1: Demonstrate the ability to apply engineering knowledge, skills, and tools for the betterment of society.

PEO 2: Secure careers in software development, research, entrepreneurship or consultancy, and demonstrate leadership capabilities.

PEO 3: Exhibit motivation for continuous learning and skills development in order to survive in a competitive environment.

PEO 4: Exhibit aptitude for teamwork, possess effective communication skills and abide by the professional practices.

6 CAREER OPPORTUNITIES

Graduates of this program can expect career opportunities in software design and development in a variety of application areas. Software engineering graduates are particularly well-suited to work as leaders or members of software project teams. They will have the knowledge and skills to help them plan and develop quality software within schedule and cost constraints. According to the United States' Bureau of Labor and Statistics (BLS), Software Engineers are amongst the highly paid professionals. The BLS also projected software development as one of the fastest growing occupations for 2018 to 2028. The BSc. Computer Software Engineering program produces entrepreneurs who help the Government in creating job opportunities and developers who build products/solutions from small to large scale systems. Software Engineers play a vital role in digital transformation and setting up the knowledge-based economy of a region.

7 RESEARCH

The Department of Computer Software Engineering is actively pursuing research in the following areas:

1. Machine Learning
2. Cloud Computing
3. Software Requirements Engineering
4. Cyber Security
5. Software Design & Architecture
6. Agile Software Development
7. Global Software Development
8. Software Outsourcing
9. Data Science
10. Internet of Things
11. Computer Networks
12. Semantic Web
13. Human Computer Interaction

8 LABORATORIES

The Department of Computer Software Engineering has the following state-of-the-art laboratories. These laboratories are equipped with every instrument and software required in the Software Engineering courses. For smooth functioning, all laboratories are backed up with a powerful generator.

1. Programming Lab-1
2. Programming Lab-2
3. Data Science Lab
4. System and Design Lab
5. Final Year Project Lab

1st SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-101	Information & Communication Technologies	02	0	02	None
CS-101 L	Information & Communication Technologies Laboratory	0	03	01	None
CS-102	Computer Programming	03	0	03	None
CS-102 L	Computer Programming Laboratory	0	03	01	None
CE-117	Occupational Health & Safety	01	0	01	None
BSH-101	Islamic Studies	02	0	02	None
BSH-102	Pakistan Studies	02	0	02	None
BSH-110	Functional English	02	0	02	None
BSH-130	Calculus & Analytical Geometry	03	0	03	None
	Total Contact Hours	15	06		
	Total Credit Hours			17	

2nd SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
SE-103	Discrete Structure	03	0	03	None
SE-106	Computer Architecture & Logic Design	03	0	03	None
SE-106 L	Computer Architecture & Logic Design Lab	0	03	01	None
SE-107	Object Oriented Programming	02	0	02	**CS-102**
SE-107 L	Object Oriented Programming Lab	0	03	01	**CS-102**
BSH-123	Basic Physics	03	0	03	None
BSH-132	Linear Algebra	03	0	03	None
BSH-211	Communication Skills	02	0	02	None
	Total Contact Hours	16	06		
	Total Credit Hours			16	

3rd SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
SE-202	Data Structure & Algorithms	03	0	03	**SE-107**
SE-202 L	Data Structure & Algorithms Lab	0	03	01	**SE-107**
SE-204	Introduction to Software Engineering	03	0	03	None
SE-304	Operating System	03	0	03	None
SE-304 L	Operating Systems Lab	0	03	01	None
BSH-232	Complex Variables & Transforms	03	0	03	None
BSH-233	Probability & Statistics	03	0	03	None
BSH-205	Understanding of Holy Quran-I	0	03	01	None
	Total Contact Hours	15	08		
	Total Credit Hours			18	

4th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
SE-207	Software Requirements Engineering	03	0	03	**SE-204**
SE-209	Introduction to Database Systems	03	0	03	None
SE-209 L	Introduction to Database Systems Lab	0	03	01	None
SE-305	Computer Communication & Networks	03	0	03	None
SE-305 L	Computer Communication & Networks Lab	0	03	01	None
BSH-231	Numerical Analysis	03	0	03	None
BSH-***	Social Sciences-1	02	0	02	None
BSH-206	Understanding of Holy Quran-II	0	03	01	None
	Total Contact Hours	13	12		
	Total Credit Hours			17	

5th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
SE-***	Software Engineering Elective-1	03	0	03	++
SE-302	Software Design & Architecture	02	0	02	None
SE-302 L	Software Design & Architecture Lab	0	03	01	None
SE-311	Embedded Systems	02	0	02	None
SE-311 L	Embedded Systems Lab	0	03	01	None
SE-312	Design & Analysis of Algorithms	03	0	03	None
BSH-311	Technical Writing & Presentation Skills	03	0	03	None
BSH-***	Management Sciences Elective-1	03	0	03	None
	Total Contact Hours	16	06		
	Total Credit Hours			18	

6th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
SE-***	Software Engineering Elective-II	03	0	03	None
SE-*** L	Software Engineering Elective-II Lab	0	03	01	None
SE-206	Software Construction & Development	03	0	03	None
SE-206 L	Software Construction & Development Lab	0	03	01	None
SE-307	Software Quality Engineering	03	0	03	**SE-204**
SE-401	Human Computer Interaction	02	0	02	None
SE-401 L	Human Computer Interaction	0	03	01	None
SE-402	Software Project Management	03	0	03	None
BSH-440	Entrepreneurship	02	0	02	None
	Total Contact Hours	**15**	**06**		
	Total Credit Hours			**18**	

7th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
SE-***	Software Engineering Elective-III	02	0	02	++
SE-*** L	Software Engineering Elective-III Lab	0	03	01	++
SE-***	Software Engineering Elective-IV	02	0	02	++
SE-*** L	Software Engineering Elective-IV Lab	0	03	01	++
SE-406	Formal Methods in Software Engineering	03	0	03	None
BSH-***	Social Science Elective-II	02	0	02	None
SE-405a	Final Year Project	0	09	03	None
	Total Contact Hours	**09**	**15**		
	Total Credit Hours			**14**	

8th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
SE-***	Software Engineering Elective-V	02	0	02	++
SE-*** L	Software Engineering Elective-V Lab	0	03	01	++
SE-327	Information Security	03	0	03	None
SE-***	Software Engineering Elective-VI	02	0	02	None
SE-*** L	Software Engineering Elective-VI Lab	0	03	01	None
SE-407	Internet of Things	032	0	03	None
SE-405b	Final Year Project	0	09	03	None
	Total Contact Hours	**10**	**15**		
	Total Credit Hours			**15**	

Total Credit Hours: 135

++ Prerequisite for these courses will be defined by the Department at the time of offering as per the approved Curriculum.


DEPARTMENT
of Electrical Engineering

1 INTRODUCTION

Keeping in view the requirements of the technology concentrated zone in Khyber Pakhtunkhwa, the major applications of Electrical Power and Communication Engineering that is almost always required, have been initially started with the future focus on Green Energy, Information Security, Industrial Power Control, Solar Power, and Energy Efficient Systems. Well-equipped and state-of-the-art laboratories, with dedicated faculty and lab staff has strengthened this department and been able for upbringing better Engineers to innovate contemporary status of common man and society.

2 FACULTY

Chairman

Prof. Dr. Imran Khan	PhD. Thailand)

Semester Coordinator

Dr. Fazal Muhammad	PhD. (Pakistan)

Professors

Prof. Dr. Imran Khan	PhD. (Thailand)

Associate Professors

Dr. Fazal Muhammad	PhD. (Pakistan)
Dr. Sajjad Ali	PhD. (Pakistan)

Assistant Professors

Dr. Ajmal Farooq	PhD. (China)
Dr. Gul Rukh	PhD. (Pakistan)
Dr. Haseeb A. Khan	PhD. (Pakistan)

Lecturers

Dr. Irfan Khan	PhD. (USA)
Dr. Shayan Tariq	PhD. (Pakistan)
Engr. Zaid Yousaf	MSc. (Pakistan)
Engr. Amir Ayaz	MSc. (Pakistan)
Engr. Abd Ullah Farman	MSc.(Pakistan)
Engr. Hamza Ahmad	MSc.(Pakistan)(On study leave)
Engr. Mahum Pervez	MSc. (Pakistan) (On study leave)

Shared Faculty

Dr. M. Abbas Mahmood	Associate Prof. PhD. (Thailand)
Dr. Murtaza Ali Bangash	Associate t Prof. PhD. (Pakistan)
Dr. Ikram Ullah	Assistant Professor, PhD. (Pakistan)
Dr. Mushtaq Ahmad Khan	Lecturer, PhD. (China)
Mrs. Naznina Hakim Khan	Lecturer, MA (Pakistan)

Lab Engineers

Engr. Hassan Wasim Khan	MSc. (Pakistan)
Engr. Nasir Iqbal	MSc. (Pakistan) (On study leave)
Engr. Abuzar Bacha	MSc. (Pakistan) (On study leave)

3 DEPARTMENT MISSION

The mission of the BSc. Electrical Engineering Program is:

To produce graduates with state-of-the-art education and relevant skills in Electrical Engineering to provide effective solution for the emerging challenges for the betterment of society.

4 ACADEMIC PROGRAMS

The Department of Electrical Engineering offers the following programs:

4.1 B.Sc Electrical Engineering with specialization in the following streams:

- Power Engineering
- Communications Engineering

4.2 M.Sc Electrical Engineering with specializations in:

- Power Systems and Control Engineering
- Communication and Electronics Engineering

4.3 M.Sc Renewable Energy Engineering

4.4 PhD Electrical Engineering with specializations in:

- Power Systems and Control Engineering
- Communication and Electronics Engineering

5 PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

The graduates of B.Sc in Electrical Engineering Program will be able to:

PEO1 Demonstrate knowledge by innovation, critical analysis and finding solutions to contemporary problems in their field.

PEO2 Exhibit capability of making judgment, task planning, effective communication and target achievement.

PEO3 Exhibit that they can practice their profession independently or in a team within the accepted norms of ethics while being appreciative of social & environmental needs.

6 PROGRAM LEARNING OUTCOMES (PLOS)

The twelve program learning outcomes (PLOs) of BSc. Electrical Engineering program are:

PLO 1 Engineering Knowledge: Efficiently analyze & solve complex engineering problems. 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.

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 the limitations.

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

PLO 7 Environment and Sustainability: An ability to understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of 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 Teamwork: An ability to work effectively, as an individual or in a team, on multifaceted and /or multidisciplinary 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 lifelong learning in the broader context of innovation and technological developments.

7 CAREER OPPORTUNITIES

This versatile degree program opens careers in different areas of Electrical Engineering, a top-rated profession. The degree program promises the graduates higher level employability at the entry level as compared to other engineering programs. The department prides itself on the fact that most of its graduates are employed within the first year of graduation. There are several pathways to choose from power sector to leading telecom industries including PTCL & NTDC, atomic energy, WAPDA, R&D public and private sector organizations, industrial process & control, power system automation & control, satellite and space technologies. Our engineers are equipped with the knowledge and skills to help them develop quality system solution within time and cost constraints.

Our Alumni have also enjoyed several scholarship opportunities for higher studies in the reputed foreign universities and some of them are playing key role in industries.

8 RESEARCH

Research wings of the Electrical Engineering Department are well recognised and serve as the backbone of the rapidly growing electrical industry. Progress of humanity is fuelled by each new discovery and development. Full time dedicated PhD. faculty are actively pursuing research in the following areas:

- Artificial Intelligence
- Internet of Things
- Wireless Communication
- Smart Grids
- Power systems
- High Voltage Engineering
- Power Electronics
- Electrical machines and motor drives
- Machine learning
- Signal Processing
- Digital signal processing
- Energy Storage
- Distribution Grids
- Renewable and Hybrid Energies
- Electric Vehicles

9 LABORATORIES

There are eight (08) dedicated state-of-the-art Laboratories that are extensively utilised for laboratory courses, open ended labs, and research. These labs cover power generation, transmission, utilisation, protection, generator control, transformers, smart grid, renewable energies (fuel cell, solar, wind), signal processing, circuit analysis, wireless communication, digital & analog electronics, embedded systems and computing. For smooth functioning, Laboratories are backed up with 200 KW PV system, one 500 KVA and one 200kVA generator. List of the available laboratories are:

1. Power Systems Lab
2. Power Electronics Lab
3. Electrical Machine-I Lab
4. Electrical Machine-II Lab
5. Electronics Lab
6. Computer Lab
7. Control Systems Lab
8. Microcontroller Lab
9. Workshop Technology Lab
10. High Voltage Engineering Lab
11. Digital Electronics Lab (Shared)

10 SCHEME OF STUDIES

1st SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
BSH-110	Functional English	03	0	03	None
BSH-130	Calculus & Analytical Geometry	03	0	03	None
CS-101	Information & Communication Tech	02	0	02	None
CS-101 L	Information & Communication Tech Lab	0	03	01	None
EE-101	Linear Circuit Analysis	03	0	03	None
EE-101 L	Linear Circuit Analysis Lab	0	03	01	None
BSH-101	Islamic Studies	02	0	02	None
BSH-120	Applied Physics	02	0	02	None
BSH-120 L	Applied Physics Lab	0	03	01	None
	Total Contact Hours	**15**	**09**		
	Total Credit Hours			**18**	

2nd SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
BSH-230	Differential Equations	03	0	03	None
BSH-132	Linear Algebra	03	0	03	None
EE-111 L	Electrical Workshop Practice	0	03	01	None
BSH-102	Pakistan Studies	02	0	02	None
EE-202 L	Engineering Drawing	0	03	01	None
CS-102	Computer Programming	03	0	03	None
CS-102 L	Computer Programming Lab	0	03	01	None
EE-113	Electronic Devices & Circuits	03	0	03	None
EE-113 L	Electronic Devices & Circuits Lab	0	03	01	None
	Total Contact Hours	**14**	**12**		
	Total Credit Hours			**18**	

3rd SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
BSH-232	Complex Variables & Transforms	03	0	03	None
BSH-210	Art & Humanities Elective (Communication & Presentation Skills)	02	0	02	None
EE-201	Digital Logic Design	03	0	03	None
EE-201 L	Digital Logic Design Lab	0	03	01	None
EE-203	Data Structures & Algorithms	03	0	03	**CS-102**
EE-203 L	Data Structures & Algorithms Lab	0	03	01	**CS-102 L**
EE-204	Electrical Network Analysis	03	0	03	**EE-101**
EE-204 L	Electrical Network Analysis Lab	0	03	01	**EE-101 L**
	Total Contact Hours	**14**	**09**		
	Total Credit Hours			**17**	

4th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
BSH-201	Social Sciences Elective (Applied Psychology)	02	0	02	None
EE-401	Flexible Elective-1 (Instrumentation & Measurement)	03	0	03	None
EE-214	Micro Processors & Interfacing	03	0	03	**EE-201**
EE-214 L	Micro Processors & Interfacing Lab	0	03	01	**EE-201 L**
EE-212	Probability Methods in Engineering	03	0	03	None
EE-213	Signals & Systems	03	0	03	**BSH-232**
EE-213 L	Signals & Systems Lab	0	03	01	**BSH-232 L**
	Total Contact Hours	**14**	**09**		
	Total Credit Hours			**17**	

5th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
EE-301	Electrical Machines	03	0	03	None
EE-301 L	Electrical Machines Lab	0	03	01	None
EE-302	Electromagnetic Field Theory	03	0	03	**BSH-232**
EE-303	Communication Systems	03	0	03	**EE-213**
EE-303 L	Communication Systems Lab	0	03	01	**EE-213 L**
EE-304	Linear Control System	03	0	03	**BSH-232**
EE-304 L	Linear Control System Lab	0	03	01	**BSH-232 L**
XX-XXX	MDEE(Introduction ot Artificial Intellegence)	03	0	03	None
	Total Contact Hours	**15**	**09**		
	Total Credit Hours			**18**	

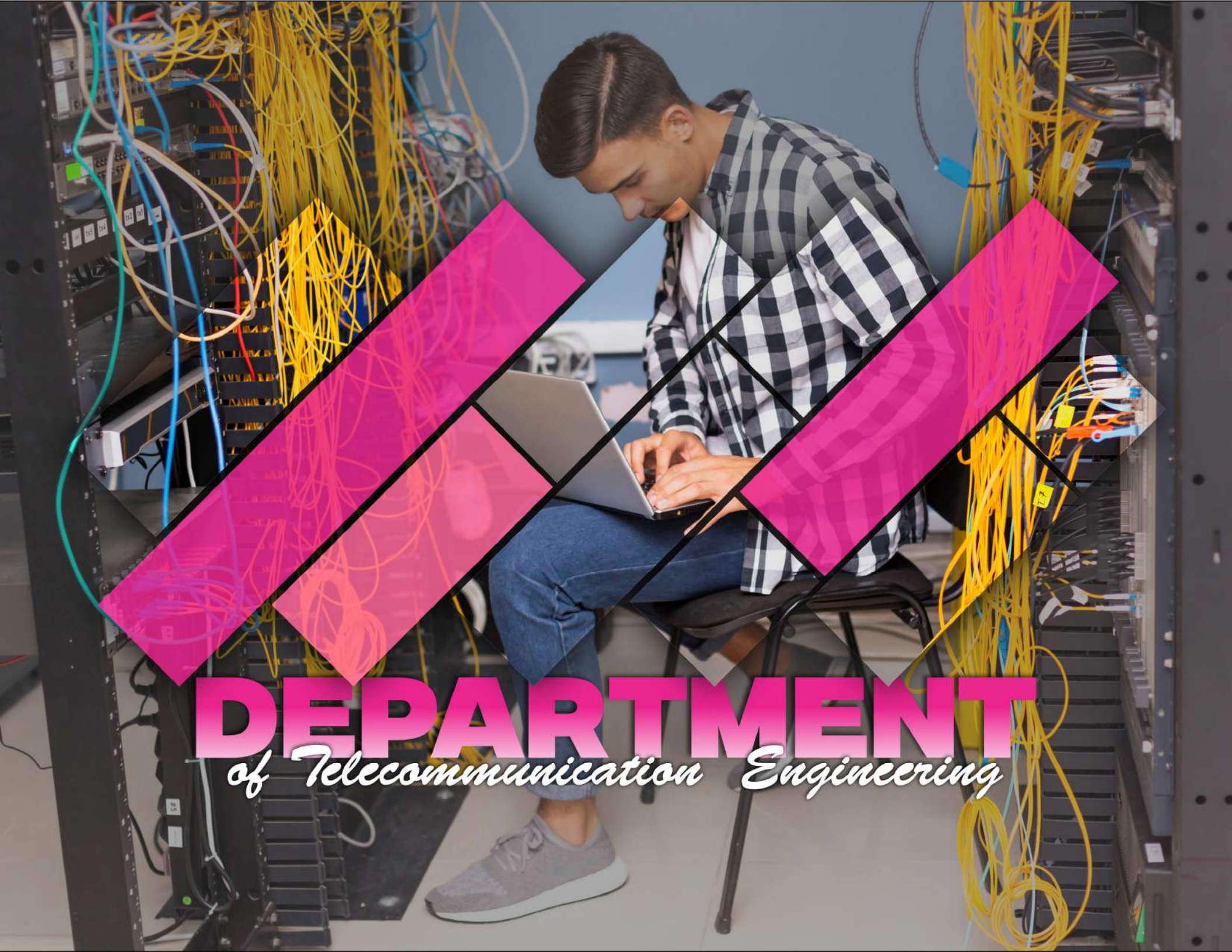
6th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
BSH-305	Expository Writing	03	0	03	None
EE-313	Power Distribution & Utilization	03	0	03	None
EE-313 L	Power Distribution & Utilization Lab	0	03	01	None
EE-31X	Depth Elective-1 (Specialization Core-I)	03	03	04	As Per List
EE-31X	Depth Elective-1 (Specialization Core-II)	03	03	04	As Per List
BSH-343	Project Management	02	0	02	None
	Total Contact Hours	**14**	**09**		
	Total Credit Hours			**17**	

7th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
EE-4XX	Depth Elective-III	03	03	04	As Per List
EE-4XX	Depth Elective-IV	03	0	03	As Per List
BSH-108	Ideology & Constitution of Pakistan	02	0	02	**
BSH-205	Fehm-e-Quran-I	0	03	01	**
BSH-215	Civic & Community Engagement	02	0	02	**
EE-499	Final Year Design Project-II	0	09	03	None
CE-117	Occupational Health & Safety	01	0	01	None
	Total Contact Hours	**11**	**15**		
	Total Credit Hours			**16**	

8th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
BSH-440	Entrepreneurship	02	0	02	None
EE-4XX	Depth Elective-V	03	0	03	As Per List
BSH-321	Flexible Elective-II | Natural Science Elective (Numerical Analysis)	03	0	03	None
EE-4XX	Flexible Elective-III (Specialization Based)	03	03	04	As Per List
BSH-206	Fehm-e-Quran-II	0	03	01	**
EE-499	Final Year Project-II	0	09	03	None
	Total Contact Hours	**11**	**05**		
	Total Credit Hours			**16**	

Note:

** Prerequisite for these courses will be defined by the Department at the time of offering as per the approved Curriculum.


DEPARTMENT
of Telecommunication Engineering

1 INTRODUCTION

The field of Telecommunication Engineering is evolving rapidly, driven by transformative technologies and global digital trends. Over the past decades, we have witnessed a remarkable shift: mobile and wireless devices have become integral to daily life, internet connectivity has reached unprecedented speeds, and digital platforms have redefined how we communicate and share information.

Today, we stand at the threshold of an era defined by seamless, "anytime, anywhere" connectivity, powered by next-generation wireless technologies such as 5G-Advanced and the emerging 6G. The Department of Telecommunication Engineering is at the forefront of this transformation, emphasizing the convergence of telecommunications with allied technologies such as information security engineering, cyber security, artificial intelligence (AI), cloud computing, and the Internet of Things (IoT).

As we look ahead, the integration of AI-driven network management, cybersecurity, and sustainable engineering practices will be essential in building intelligent, secure, and resilient communication infrastructures. Cutting-edge innovations like adaptive antennas operating in millimeter and terahertz frequency bands, and reconfigurable intelligent surfaces (RIS), are poised to revolutionize wireless communication—enhancing signal quality, boosting energy efficiency, and enabling ultra-high data rates.

The future of Telecommunication Engineering holds immense promise, contributing to a more connected, intelligent, and efficient world. The department's objectives are designed to embrace these challenges and equip students with the interdisciplinary skills needed to thrive in a dynamic, hyper-connected digital landscape.

2 FACULTY

Chairman

Engr. Prof. Dr. Sadiq Ullah	Ph. D. (UK)

Semester Coordinator

Engr. Waleed Shihzad	M. Sc. (Pakistan)

Professors

Engr. Prof. Dr. Sadiq Ullah	Ph. D. (UK)

Assistant Professors

Engr. Dr. Toufeeq Ahmad	Ph. D. (China)
Engr. Dr. Jalal Khan	Ph. D. (Pakistan)
Engr. Dr. Sahib Khan	Ph. D. (Italy)
Engr. Shagufta Naz	M. Sc. (Pakistan)

Lecturers

Engr. Dr. Usman Ali	Ph. D. (Pakistan)(On Leave)
Engr. Mareena Karim	M. Sc. (Pakistan)
Engr. Wasi Ur Rehman Khan	M. Sc. (Pakistan)(On Study Leave)

Shared Faculty

Dr. M. Abbas Mahmood	Ph. D. (Thailand)
Dr. Murtaza Ali Bangash	Ph. D. (Pakistan)
Dr. Mushtaq Ahmad Khan	Ph. D. (China)
Dr. Ikram Ullah	Ph. D. (Pakistan)
Mrs. Shazia Habib	M. Sc. (Pakistan)(On Study Leave)
Mrs. Naznina Hakim Khan	M. A. (Pakistan)
Mr. Khyber Khan Khattak	M. Phil (Pakistan)

Lab Engineers

Engr. Rizwan Ullah	M. Sc. (Pakistan)
Engr. Abdur Rahman Mashal	M. Sc. (Pakistan)
Engr. Waleed Shihzad	M. Sc. (Pakistan)

3 DEPARTMENT MISSION

To produce a workforce of outstanding professionals having up-to-date knowledge, technical and interpersonal skills and problem-solving abilities to improve the economic well-being and up-lifting of the society

4 ACADEMIC PROGRAMS

The department offers the following programs.

4.1. BSc. Telecommunication Engineering

4.2. MSc. Telecommunication Engineering

4.3. PhD. Telecommunication Engineering

5 PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO-1: Extend knowledge and develop expertise in Telecommunication Engineering and associated fields/tools

PEO-2: Apply systematic approach to design sustainable solutions for indigenous, complex problems related to their field, considering societal and environmental impact

PEO-3: Be effective team members, self-motivated, independent thinkers, proficient communicators and capable of leading teams for achieving goal-oriented tasks

PEO-4: Exhibit professional ethics and engineering practices as well as high moral values, and be a productive member of the society

6 CAREER OPPORTUNITIES

Graduates of the Department of Telecommunication Engineering are equipped with a versatile skill set that opens doors to a wide range of career paths across both traditional and emerging sectors. These include, but not limited to:

- Mobile and telecom industries
- Telecom regulatory authorities and frequency allocation boards
- Information and Communication Technology (ICT) sectors
- Electronics Industry
- Banking, finance, and fintech
- Oil, gas exploration, and energy distribution companies
- Research and development (R&D) organizations
- Higher education and academic research institutions

Public sector and smart infrastructure projects

With a strong foundation in both telecommunication and information technologies, graduates are well-prepared to serve as engineers, consultants, analysts, and project leaders in multidisciplinary teams. They are trained to design, develop, and manage complex communication systems and propose innovative solutions to real-world engineering challenges.

Career roles include, but are not limited to, RF Engineers, Network Engineers, Systems Analysts, Telecommunications Consultants, Project Managers, Cloud and IoT Solutions Architects, AI and Data-Driven Network Engineers.

The integration of AI, cloud computing, cybersecurity, and IoT into modern communication systems has created exciting new opportunities for innovation and entrepreneurship. With the rise of 6G and intelligent network technologies, graduates will be at the forefront of shaping the future of global connectivity.

7 RESEARCH

The department is actively pursuing and aim to do impactful research in the following areas:

1. Applied Electromagnetics
    a. Electromagnetic Wave Propagation (Microwave, Millimeter, and Sub-THz Bands)
    b. Advanced Antenna Design: Systems and Architecture
    c. Reconfigurable Intelligent Surfaces (RIS)
    d. Metamaterials and Metasurfaces
2. Wireless and Satellite Communication Technologies
    a. Mobile and Satellite Communication

b. Next-Generation Wireless Networks (5G/6G)

c. Radar Engineering

3. Internet of things (IoT)

a. IoT Communication Technologies and Protocols

b. Network Architecture and Resource Management

c. Security and Privacy in IoT Networks

4. Signal, Image, and Information Processing

a. Digital Signal Processing b. Signal and Information Processing

c. Digital Forensics d. Image and Video Processing

5. Artificial Intelligence and Machine Learning Applications

a. Artificial Intelligence b. Machine Learning and Deep Learning

c. AI for Network Optimization and Intelligent Systems

6. Cyber-Security and Information Assurance

a. Information Security b. Secure Communication Systems

c. Digital Forensics

8 LABORATORIES

The department has the following state-of-the-art laboratories:

1. Electronics Lab
2. Wireless Communication Lab
3. Digital Logic Design Lab
4. Computer Lab
5. DSP Lab
6. FYP Lab
7. Applied Physics & Circuits Lab
8. Control Systems Lab
9. Optical Fiber Communications Lab
10. System & Design Lab (Shared)
11. Electric Workshop Lab (Shared)
12. Embedded System Lab (Shared)

1st SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
BSH-101	Islamic Studies	02	0	02	None
BSH-108	Ideology & Constitution of Pakistan	02	0	02	None
BSH-110	Functional English	02	0	02	None
BSH-130	Calculus & Analytical Geometry	03	0	03	None
CS-101	Information & Communication Tech	02	0	02	None
CS-101 L	Information & Communication Tech Lab	0	03	01	None
CS-102	Computer Programming	03	0	03	None
CS-102 L	Computer Programming Lab	0	03	01	None
CE-117	Occupational Health & Safety	01	0	01	None
	Total Contact Hours	**15**	**06**		
	Total Credit Hours			**17**	

2nd SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
TE-101	Circuit Analysis	03	0	03	None
TE-101 L	Circuit Analysis Lab	0	03	01	None
TE-102 L	Electric Workshop Lab	0	03	01	None
TE-103	Object Oriented Programming	03	0	03	None
TE-103 L	Object Oriented Programming Lab	0	03	01	None
TE-104 L	Computer Aided Engineering Design Lab	0	03	01	None
BSH-120	Applied Physics	02	0	02	None
BSH-120 L	Applied Physics Lab	0	03	01	None
BSH-211	Communication Skills	02	0	02	None
BSH-230	Differential Equations	03	0	03	None
	Total Contact Hours	**13**	**15**		
	Total Credit Hours			**18**	

3rd SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
TE-201	Electrical Network Analysis	03	0	03	TE-101
TE-201 L	Electrical Network Analysis Lab	0	03	01	None

TE-202	Digital Logic Design	03	0	03	None
TE-202 L	Digital Logic Design Lab	0	03	01	None
TE-203	Signals & Systems	03	0	03	BSH-230
BSH-142	Linear Algebra	03	0	03	None
BSH-342	Engineering Economics	02	0	02	None
BSH-XXX	Social Sciences Elective	02	0	02	None
	Total Contact Hours	**16**	**06**		
	Total Credit Hours			**18**	

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
TE-204	Electronic Devices & Circuits	02	0	03	None
TE-204 L	Electronic Devices & Circuits Lab	0	03	01	None
TE-205	Computer Communication Networks	03	0	03	None
TE-205 L	Computer Communication Networks Lab	0	03	01	None
TE-206	Microprocessors & Micro-Controllers	03	0	03	TE-202
TE-206 L	Microprocessors & Micro-Controllers Lab	0	03	01	None
BSH-131	Multivariate Calculus	03	0	03	None
BSH-233	Probability & Statistics	03	0	03	None
	Total Contact Hours	**15**	**09**		
	Total Credit Hours			**18**	

5th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
TE-301	Electromagnetic Theory	03	0	03	BSH-131
TE-302	Communication Systems	03	0	03	BSH-233
TE-302 L	Communication Systems Lab	0	03	01	None
TE-303	Digital Signal Processing	03	0	03	TE-203
TE-303 L	Digital Signal Processing Lab	0	03	01	None
TE-304	Control Systems	02	0	02	None
TE-304 L	Control Systems Lab	0	03	01	None
TE-3XX	MDE Elective I	02	0	02	None
TE-3XX L	MDE Elective I Lab	0	03	01	None
	Total Contact Hours	**13**	**12**		
	Total Credit Hours			**17**	

6th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
TE-306	Digital Communications	03	0	03	TE-302
TE-306 L	Digital Communications Lab	0	03	01	None
TE-307	Antennas & Wave Propagation	03	0	03	TE-301
TE-307 L	Antennas & Wave Propagation Lab	0	03	01	None
TE-3XX	MDE Elective II	02	0	02	None
TE-3XX L	MDE Elective II Lab	0	03	01	None
BSH-213	Technical Report Writing Presentation Skills	02	0	02	None
BSH-346	Project Management	03	0	03	None
BSH-231	Numerical Analysis	02	0	02	None
	Total Contact Hours	**15**	**09**		
	Total Credit Hours			**18**	

7th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
TE-401	Final Year Design Project-I	0	09	03	None
TE-402	Microwave Engineering	03	0	03	TE-307
TE-402 L	Microwave Engineering Lab	0	03	01	None
TE-403	Optical Fiber Communications	03	0	03	None
TE-403 L	Optical Fiber Communications Lab	0	03	01	None
TE-404	Emerging Wireless Tech & RF Planning	02	0	02	None
TE-4XX	MDE Elective III	02	0	02	None
TE-4XX L	MDE Elective III Lab	0	03	01	None
BSH-205	Fehm-e-Quran I	03	0	01	None
	Total Contact Hours	**13**	**18**		
	Total Credit Hours			**17**	

8th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
TE-401	Final Year Design Project-II	0	09	03	None
TE-406	Transmission & Switching Systems	03	0	03	None
TE-4XX	MBC Depth Elective I	03	0	03	None
TE-4XX	MBC Depth Elective II	03	0	03	None
BSH-440	Entrepreneurship	02	0	02	None
BSH-102	Pakistan Studies	02	0	02	None
TE-206	Fehm-e-Quran II	03	0	01	None
	Total Contact Hours	16	09		
	Total Credit Hours			17	


80%
DEPARTMENT
of Computer Science

1 INTRODUCTION

Computer Science, Artificial Intelligence, Data Science, and Cyber Security are revolutionizing every aspect of human life. From the way we work, to the way we communicate and entertain, these fields are transforming the world we live in. As the fourth industrial revolution accelerates, the demand for a skilled workforce with advanced knowledge in these fields is rapidly increasing. The Department of Computer Science at UET Mardan recognizes the immense impact of these technologies and is committed to producing graduates who can understand, investigate, and solve complex problems using innovative algorithms, techniques, methodologies, and cutting-edge computing tools. The department has highly qualified faculty, with expertise in Computer Science, Artificial Intelligence, Data Science, and Cyber Security. The department has state-of-the-art laboratories equipped with the latest tools and technologies. With modern audio-visual teaching tools and effective teaching, learning, and assessment processes, students are equipped with the skills and knowledge necessary to thrive in the ever-evolving world of computing.

2 FACULTY

Chairman

Prof. Dr. Muhammad Usman	PhD. (South Korea)

Semester Coordinator

Dr. Razaullah Khan	PhD. (China)

Professors

Prof. Dr. Muhammad Usman	PhD. (South Korea)

Assistant Professors

Dr. Shams ur Rahman	PhD. (South Korea)
Dr. Najeeb Ullah	PhD. (Italy)
Dr. Razaullah Khan	PhD. (China)

Lecturers

Dr. Muhammad Faisal Abrar	PhD. (Pakistan)
Dr. Sarwar Shah Khan	PhD (Pakistan)
Mr. Mian Saeed Akbar	MS (Pakistan)
Mr. Shehzad Ahmad	MS (China)
Ms. Faiza Tila	MS (South Korea)
Mr. Sajid Khan	MS(Pakistan)
Mr. Bilal Khan	MS(Pakistan)

3 ACADEMIC PROGRAMS

- BS in Artificial Intelligence (Recommended by BoS*)
- BS in Computer Science with specializations in the following streams:
  - Computer Science
  - Data Science
  - Cyber Security (Recommended by BoS*)

  The option to choose a specialization (Computer Science, Data Science or Cyber Security) shall be given to students at the start of 5th semester and allocation of specialization shall be made based on merit-cum-choice. For merit the CGPA till 4th semester shall be considered.
- MS in Computer Science
- MS in Artificial Intelligence (Recommended by BoS*)
- MS in Information Security (Recommended by BoS*)
- PhD in Computer Science (Recommended by BoS* and approved by ASARB*)

4 BS (AI) PROGRAM MISSION

The mission of the BS in Artificial Intelligence program is to produce professionally sound graduates endowed with advanced knowledge in Artificial Intelligence, empowering them to design intelligent solutions for complex computing problems. The program also seeks to build a solid foundation in strong moral values and interpersonal skills, acknowledging the critical role of ethics in the realm of Artificial Intelligence.

4.1 PROGRAM EDUCATIONAL OBJECTIVES (PEOs)/PROGRAM OBJECTIVES (Pos)

The graduates of BS Artificial Intelligence program will be able to:

PEO-1: Equip students with a solid understanding of core computer science principles and specialized AI techniques to design, develop, and deploy intelligent systems using state-of-the-art tools and technologies to solve complex real-world problems across diverse sectors such as healthcare, finance, agriculture, manufacturing, education, and smart infrastructure.

PEO-2: Emphasize the social, ethical, and legal implications of AI systems, ensuring that graduates are capable of developing technologies that are fair, transparent, inclusive, and aligned with societal values.

PEO-3: Develop soft skills essential for effective collaboration in multidisciplinary environments, enabling graduates to lead AI initiatives and work productively in both industry and academia.

4.2 BS (CS) PROGRAM MISSION

The mission of the BS Computer Science program is to produce professionally sound graduates, by imparting them quality education and skills in the field of computing, who can solve contemporary, multidisciplinary, and emerging problems to serve the needs of academia, industry and community thereby playing a vital role in the socio-economic development.

4.3 PROGRAM EDUCATIONAL OBJECTIVES (PEOs)/PROGRAM OBJECTIVES (Pos)

The graduates of BS Computer Science program will be able to:

PEO-1: Apply computing knowledge, skills and tools to develop solutions for real-world problems.

PEO-2: Exhibit the ability to work in teams, communicate effectively and keep abreast of the latest trends in computing.

PEO-3: Conduct professional practices considering societal and ethical aspects.

4.4 BS (AI) and BS (CS) PROGRAM LEARNING OUTCOMES (PLOs) / GRADUATE ATTRIBUTES (GAs)

The Program Learning Outcomes (PLOs)/Graduate Attributes (GAs) of BS Artificial Intelligence and Computer Science are:

PLO 1 Academic Education: To prepare graduates as computing professionals.

PLO 2 Knowledge for Solving Computing Problems: Apply knowledge of computing fundamentals, knowledge of a computing specialization, and mathematics, science, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

PLO 3 Problem Analysis: Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PLO 4 Design/ Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PLO 5 Modern Tool Usage: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations

PLO 6 Individual and Teamwork: Function effectively as an individual and as a member or leader in diverse teams and in multi-disciplinary settings.

PLO 7 Communication: Communicate effectively with the computing community and with society at large about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PLO 8 Computing Professionalism and Society: Understand and assess societal, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

PLO 9 Ethics: Understand and commit to professional ethics, responsibilities, and norms of professional computing practice.

PLO 10 Life-long Learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

9 CAREER OPPORTUNITIES

The knowledge and skills gained by BS Artificial Intelligence and BS Computer Science graduates are highly valued in the modern age. The rapidly increasing scope of AI and CS are creating a wide range of opportunities for their graduates in many different industries such as software houses, data warehouses, multinational companies, governmental agencies, universities, healthcare institutions. The AI and CS graduates can work as an AI engineer, Machine Learning Specialist, Generative AI specialist, AI researcher, Data Scientist, Software Developer, IT consultant, applications programmer, sales and business developer, cybersecurity consultant, information security specialist, information systems manager, database administrator, multimedia programmer, systems analyst, games developer etc. The graduates of AI and CS can start their careers in various public and private national and multinational organizations; some notable names among which are NCAI, OpenAI, Google AI / Google Brain, Microsoft Research AI, NADRA, Pakistan Software Export Board, IT boards, Technology parks, e-commerce companies (such as Amazon, OLX, Daraz, Alibaba,etc.) and tech companies (such as Meta (Facebook, WhatsApp), Google and Microsoft etc.

10 RESEARCH

The department is actively pursuing research in the following areas:

- AI and Machine Learning
- Bio Informatics
- Digital Image Processing
- Semantic Web
- Web Preservation
- Communication Networks
- Information Security
- Natural Language Processing
- Human-Computer Interaction (HCI)
- Agile Software Development
- Cloud Computing
- Software-Defined Networking (SDN)
- Internet of Things (IoT)
- Privacy Preserving Data Publishing

11 LABORATORIES

The department has the following state-of-the-art laboratories

- AI & DS Lab
- Programming Lab 1
- Digital Logic Design Lab
- Computer Lab
- Programming Lab 2
- Final Year Project Lab

12 DEGREE REQUIREMENTS

For obtaining the degree(s) of Bachelor of Science in Artificial Intelligence and Bachelor of Science in Computer Science with specializations in Data Science or Cyber Security, a student has to complete at least 130 credit hours with a minimum CGPA of 2.0 or above.

13 SCHEME OF STUDIES FOR BSA

1st SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-101	Apps of Information & Communication Tech	02	0	02	None
CS-101 L	Apps of Information & Communication Tech Lab	0	03	01	None

CS-102	Programming Fundamentals	03	0	03	None
CS-102 L	Programming Fundamentals Lab	0	03	01	None
BSH-112	Functional Englsih	03	0	03	BSH-230
BSH-***	Quantitative Reasoning-I	03	0	03	None
BSH-101	Islamic Studies	02	0	02	None
	Total Contact Hours	**13**	**06**		
	Total Credit Hours			**15**	

2nd SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-103	Digital Logic Design	02	0	02	None
CS-103 L	Digital Logic Design Lab	0	03	01	None
CS-104	Object Oriented Programming	03	0	03	CS-102
CS-104 L	Object Oriented Programming Lab	0	03	01	CS-102
BSH-***	Quantitative Reasoning-II	03	0	03	None
BSH-***	Linear Algebra	03	0	03	None
BSH-***	Expository Writing	03	0	03	None
BSH-***	Ideology & Constitution of Pakistan	02	0	02	None
	Total Contact Hours	**15**	**09**		
	Total Credit Hours			**18**	

3rd SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-201	Data Structure	03	0	03	CS-102
CS-201 L	Data Structure Lab	0	03	01	CS-102
CS-202	Computer Organization & Assembly Language	03	0	03	None
CS-202 L	Computer Organization & Assembly Language Lab	0	03	01	None
CS-203	Database Systems	03	0	03	None
CS-203 L	Database Systems Lab	0	03	01	None
BSH-***	Multiivariable Calculus	03	0	03	None
BSH-***	Arts & Humanities	02	0	02	None
BSH-205	Fehm-e-Quran I	0	03	01	None
	Total Contact Hours	**14**	**12**		
	Total Credit Hours			**18**	

4th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-302	Software Engineering	03	0	03	None
CS-205	Artificial Intelligence	02	0	02	None
CS-205 L	Artificial Intelligence Lab	0	03	01	None
CS-206	Computer Networks	02	0	02	None
CS-206 L	Computer Networks Lab	0	03	01	None
CS-301	Operating Systems	02	0	02	None
CS-301 L	Operating Systems Lab	0	03	01	None
BSH-233	Probability & Statistics	03	0	03	None
BSH-***	Civics & Community Engagement	02	0	02	None
BSH-206	Fahm-e-Quran II	0	03	01	None
	Total Contact Hours	**14**	**12**		
	Total Credit Hours			**18**	

5th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-303	Information Security	02	0	02	None
CS-303 L	Information Security Lab	0	03	01	None
CS-204	Analysis of Algorithms	03	0	03	CS-201
AI-304	Knowledge Representation & Reasoning	02	0	02	None
AI-304 L	Knowledge Representation & Reasoning Lab	0	03	01	None
AI-305	Programming for Artificial Intelligence	02	0	02	None
AI-305 L	Programming for Artificial Intelligence Lab	0	03	01	None
AI-307	Machine Learning	02	0	02	None
AI-307 L	Machine Learning Lab	0	03	01	None
AI-***	Domain Elective-I	02	0	02	None
AI-***	Domain Elective-I Lab	0	03	01	None
	Total Contact Hours	**13**	**15**		
	Total Credit Hours			**18**	

6th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-305	Parallel & Distributed Computing	02	0	02	None

CS-305 L	Parallel & Distributed Computing Lab	0	03	01	None
AI-306	Artificial Neural Networks & Deep Learning	02	0	02	None
AI-306 L	Artificial Neural Networks & Deep Learning Lab	0	03	01	None
AI-401	Computer Vision	02	0	02	None
AI-401 L	Computer Vision Lab	0	03	01	None
CS-307	Graph Theory	03	0	03	None
AI-***	Domain Elective-II	02	0	02	***
AI-*** L	Domain Elective -II Lab	0	03	01	***
BSH-***	Social Science-I	02	0	02	None
	Total Contact Hours	**14**	**12**		
	Total Credit Hours			**18**	

7th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-401	Final Year Project -I	0	09	03	None
AI-***	Domain Elective-III	02	0	02	***
AI-*** L	Domain Elective-III Lab	0	03	01	***
AI-***	Domain Elective-IV	02	0	02	***
AI-*** L	Domain Elective-IV Lab	0	03	01	***
AI-***	Domain Elective-V	02	0	02	***
AI-*** L	Domain Elective-V Lab	0	03	01	***
BSH-312	Technical & Business Writing	03	0	03	None
	Total Contact Hours	**09**	**18**		
	Total Credit Hours			**15**	

8th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-401	Final Year Project -II	0	09	03	FYP-I
AI-***	Domain Elective-VI	02	0	02	***
AI-*** L	Domain Elective-VI Lab	0	03	01	***
AI-***	Domain Elective-VII	02	0	02	***
AI-*** L	Domain Elective-VII Lab	0	03	01	***
BSH-440	Entrepreneurship	02	0	02	***
BSH-***	Social Sciences-II	0	03	01	***
	Total Contact Hours	**06**	**18**		
	Total Credit Hours			**14**	

*** will be replaced by the actual course code of the course offered as elective.

**** Pre-requisite may vary depending on the elective.

Grand Total Credit Hours	**132**

Note:

I. One credit hour is equal to 3 contact hours for Lab course and 1 contact hour for theory course.

II. Elective courses will be selected from the list of elective courses based on availability of expert, market trend and minimum number of students' registrations to be determined by the department.

III. Theory and Lab are treated as separate courses. Lab courses have "L" at the end of Course Code.

BS (CS) SCHEME OF STUDIES

I. 1st to 4th SEMESTER (Common for all specializations)

1st SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-101	Apps of Information & Communication Tech	02	0	02	None
CS-101 L	Apps of Information & Communication Tech Lab	0	03	01	None
CS-102	Programming Fundamentals	03	0	03	None
CS-102 L	Programming Fundamentals Lab	0	03	01	None
BSH-112	Functional English	03	0	03	None
BSH-***	Quantitative Reasoning- I	03	0	03	None
BSH-101	Islamic Studies	02	0	02	None
	Total Contact Hours	**13**	**06**		
	Total Credit Hours			**15**	

2nd SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-103	Digital Logic Design	02	0	02	None
CS-103 L	Digital Logic Design Lab	0	03	01	None
CS-104	Object Oriented Programming	03	0	03	CS-102

CS-104 L	Object Oriented Programming Lab	0	03	01	CS-102
BSH-***	Quantitative Reasoning -I	03	0	03	None
BSH-***	Linear Algebra	03	0	03	BSH-230
BSH-***	Expository Writing	03	0	03	None
BSH-***	Ideology & Constitution of Pakistan	02	0	02	None
	Total Contact Hours	**16**	**06**		
	Total Credit Hours			**18**	

3rd SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-201	Data Structure	03	0	03	CS-102
CS-201 L	Data Structure Lab	0	03	01	CS-102
CS-202	Computer Organization & Assembly Language	03	0	03	None
CS-202 L	Computer Organization & Assembly Language Lab	0	03	01	None
CS-203	Database Systems	03	0	03	None
CS-203 L	Database Systems Lab	0	03	01	None
BSH-***	Multiivariable Calculus	03	0	03	None
BSH-***	Arts & Humanities	02	0	02	None
BSH-205	Fehm-e-Quran I	0	03	01	None
	Total Contact Hours	**14**	**12**		
	Total Credit Hours			**18**	

4th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-302	Software Engineering	03	0	03	None
CS-205	Artificial Intelligence	02	0	02	None
CS-205 L	Artificial Intelligence Lab	0	03	01	None
CS-206	Computer Networks	02	0	02	None
CS-206 L	Computer Networks Lab	0	03	01	None
CS-301	Operating Systems	02	0	02	None
CS-301 L	Operating Systems Lab	0	03	01	None
BSH-233	Probability & Statistics	03	0	03	None
BSH-***	Civics & Community Engagement	02	0	02	None
BSH-206	Fahm-e-Quran II	0	03	01	None
	Total Contact Hours	**14**	**12**		
	Total Credit Hours			**18**	

II. 5th to 8th SEMESTER

• BS Computer Science

5th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-303	Information Security	02	0	02	None
CS-303 L	Information Security Lab	0	03	01	None
CS-304	Theory of Automata	03	0	03	None
CS-***	Advanced Database Management Systems	02	0	02	CS-203
CS-*** L	Advanced Database Management Systems Lab	0	03	01	None
CS-***	Computer Architecture	02	0	02	CS-202
CS-*** L	Computer Architecture Lab	0	03	01	None
CS-204	Analysis of Algorithms	03	0	03	CS-201
AI-***	Domain Elective-I	02	0	02	None
AI-***	Domain Elective-I Lab	0	03	01	None
	Total Contact Hours	**14**	**12**		
	Total Credit Hours			**18**	

6th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-305	Parallel & Distributed Computing	02	0	02	None
CS-305 L	Parallel & Distributed Computing Lab	0	03	01	None
CS-306	Compiler Construction	02	0	02	CS-304
CS-306 L	Compiler Construction Lab	0	03	01	None
CS-307	Graph Theory	03	0	03	None
CS-416	Human Computer Interaction	02	0	02	None
CS-416 L	Human Computer Interaction Lab	0	03	01	None
CS-***	Domain Elective-II	02	0	02	***
CS-***	Domain Elective-II Lab	0	03	01	***
BSH-***	Social Sciences-I	02	0	02	None
	Total Contact Hours	**13**	**12**		
	Total Credit Hours			**17**	

7th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-401	Final Year Project -I	0	09	03	None
CS-***	Domain Elective-III	02	0	02	***
CS-*** L	Domain Elective-III Lab	0	03	01	None
CS-***	Domain Elective-IV	02	0	02	***
CS-*** L	Domain Elective-IV Lab	0	03	01	None
CS-***	Domain Elective-V	02	0	02	***
CS-*** L	Domain Elective-V Lab	0	03	01	None
BSH-312	Technical & Business Writing	03	0	03	None
	Total Contact Hours	09	18		
	Total Credit Hours			15	

8th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-401	Final Year Project -II	0	09	03	FYP-I
CS-***	Domain Elective-VI	02	0	02	***
CS-*** L	Domain Elective-VI Lab	0	03	01	None
CS-***	Domain Elective-VII	02	0	02	***
CS-*** L	Domain Elective-VII Lab	0	03	01	None
BSH-440	Entrepreneurship	02	0	02	None
BSH-***	Social Sciences-II	0	03	01	None
	Total Contact Hours	06	18		
	Total Credit Hours			14	

• BS Computer Science (Specialized in Data Science)

5th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-303	Information Security	02	0	02	None
CS-303 L	Information Security Lab	0	03	01	None
CS-204	Analysis of Algorithms	03	0	03	CS-201
DS-305	Advanced Statistics	03	0	03	None
DS-304	Introduction to Data Science	02	0	02	None
AI-304 L	Introduction to Data Science Lab	0	03	01	None
CS-*** L	Computer Architecture Lab	0	03	01	None
DS-402	Data Visualization	02	0	02	None
AI-305 L	Data Visualization Lab	0	03	01	None
DS-***	Domain Elective-I	02	0	02	None
DS-*** L	Domain Elective-I Lab	0	03	01	None
	Total Contact Hours	14	12		
	Total Credit Hours			18	

6th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-305	Parallel & Distributed Computing	02	0	02	None
CS-305 L	Parallel & Distributed Computing Lab	0	03	01	None
DS-306	Data Mining	02	0	02	CS-305
DS-306 L	Data Mining Lab	0	03	01	None
DS-307	Data Warehouse & Business Intelligence	02	0	02	None
DS-307 L	Data Warehouse & Business Intelligence Lab	0	03	01	None
CS-307	Graph Theory	03	0	03	None
DS-***	Domain Elective-II	02	0	02	***
DS-***	Domain Elective-II Lab	0	03	01	***
BSH-***	Social Sciences-I	02	0	02	None
	Total Contact Hours	13	12		
	Total Credit Hours			17	

7th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-401	Final Year Project -I	0	09	03	None
DS-***	Domain Elective-III	02	0	02	***
DS-*** L	Domain Elective-III Lab	0	03	01	None
DS-***	Domain Elective-IV	02	0	02	***
DS-*** L	Domain Elective-IV Lab	0	03	01	None
DS-***	Domain Elective-V	02	0	02	***
DS-*** L	Domain Elective-V Lab	0	03	01	None
BSH-312	Technical & Business Writing	03	0	03	None

Total Contact Hours	09	18	
Total Credit Hours			15

8th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-401	Final Year Project -II	0	09	03	FYP-I
DS-***	Domain Elective-VI	02	0	02	***
DS-*** L	Domain Elective-VI Lab	0	03	01	None
DS-***	Domain Elective-VII	02	0	02	***
DS-*** L	Domain Elective-VII Lab	0	03	01	None
BSH-440	Entrepreneurship	02	0	02	None
BSH-***	Social Sciences-II	0	03	01	None
Total Contact Hours		06	18		
Total Credit Hours				14	

BS Computer Science (Specialized in Cyber Security)

5th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-204	Analysis of Algorithms	03	0	03	CS-201
CS-206	Computer Networks	02	0	02	None
CS-206 L	Computer Networks Lab	0	03	01	None
CS-307	Graph Theory	02	0	02	None
CY-301	Information Assurance	02	0	02	None
CY-301 L	Information Assurance Lab	0	03	01	None
CY-302	Cyber Security	02	0	02	None
CY-302 L	Cyber Security Lab	0	03	01	None
CY-***	Domain Elective-I	02	0	02	CS-303
CY-***	Domain Elective-I Lab	0	03	01	CS-303
Total Contact Hours		13	12		
Total Credit Hours				17	

6th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-305	Parallel & Distributed Computing	02	0	02	OS
CS-305 L	Parallel & Distributed Computing Lab	0	03	01	OS
CY-303	Network Security	02	0	02	None
CY-303 L	Network Security Lab	0	03	01	None
CY-304	Secure Software Design & Development	02	0	02	None
CY-304 L	Secure Software Design & Development Lab	0	03	01	None
CS-***	Domain Elective-II	02	0	02	***
CS-*** L	Domain Elective-II Lab	0	03	01	***
CY-***	Domain Elective-III	02	0	02	***
CY-*** L	Domain Elective-III Lab	02	03	01	***
BSH-***	Social Sciences-I	02	0	02	None
Total Contact Hours		14	15		
Total Credit Hours				17	

7th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-401	Final Year Project -I	0	09	03	None
CY-401	Digital Forensics	02	0	02	***
CY-401 L	Digital Forensics Lab	0	03	01	None
CS-***	Domain Elective-IV	02	0	02	***
CS-*** L	Domain Elective-IV Lab	0	03	01	None
CY-***	Domain Elective-V	02	0	02	***
CY-*** L	Domain Elective-V Lab	0	03	01	None
BSH-312	Technical & Business Writing	03	0	03	None
Total Contact Hours		09	18		
Total Credit Hours				15	

8th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CS-401	Final Year Project -II	0	09	03	FYP-I
CY-***	CY- Elective VI	02	0	02	***
CY-*** L	CY Elective-VI Lab	0	03	01	None
CY-***	CY Elective-VII	02	0	02	***
CY-*** L	CY Elective-VII Lab	0	03	01	None
BSH-440	Entrepreneurship	02	0	02	None
BSH-***	Social Sciences-II	0	03	01	None
	Total Contact Hours	**06**	**18**		
	Total Credit Hours			**14**	

*** will be replaced by the actual course code of the course o□ered as elective.

**** Pre-requisite may vary depending on the elective.

Grand Total Credit Hours	132

Note:

I. One credit hour is equal to 3 contact hours for Lab course and 1 contact hour for theory course.

II. The Selection of Domain Elective course in each specialization shall be based on the availability of instructor and market trend.


DEPARTMENT
of Civil Engineering

1 INTRODUCTION:

Rapid infrastructure development due to evolving economy in Pakistan has increased the need for Civil Engineers more than ever. Considering this, the department of Civil Engineering has launched competitive academic programmes with the aim to equip aspiring students with a range of skills that will help them professionally. The objectives of the curriculum include:

- Focus on sustainable planning and design solutions for civil engineering problems.
- Development of critical thinking skills necessary for innovation.
- Enhance students' understanding through project based learning.
- Awareness of new techniques in construction practices.
- Building research and communication skills.

2 FACULTY & STAFF:

Chairman

Dr. Muhammad Alam	Ph.D. (Italy)

Semester Coordinator

Engr. Hazrat Bilal	M.Sc. (Pakistan)

OBE Coordinator

Engr. Saba Khan	M.Sc. (Pakistan)

Assistant Professors

Dr. Muhammad Alam	Ph.D. (Italy)
Dr. Khalid Mahmood	Ph.D. (South Korea)

Lecturers

Engr. Hazrat Bilal	M.Sc. (Pakistan)
Engr. Maaz Amjad	M.Sc. (Pakistan)
Engr. Sami Ullah	M.Sc. (Pakistan)
Engr. Saba Khan	M.Sc. (Pakistan)
Engr. Muhammad Irfan	M.Sc. (Pakistan)
Engr. Muhammad Yasir	M.Sc. (Pakistan)
Engr. Usama Ali	Ph.D. (In Progress)(On Leave)
Engr. Wasim Karam	Ph.D. (In Progress)(On Leave)

Lab Engineers

Engr. Muhammad Sheraz	M.Sc. (China)

Office Assistant

Miss. Neelam	M.Sc. (Pakistan)

Shared Faculty

Dr. M. Abbas Mahmood	Associate Professor, Ph.D. (Thailand)
Dr. Murtaza Ali Bangash	Associate Professor, Ph.D. (Pakistan)
Mr. Fawad Khan	Lecturer, M.Phil. (Pakistan)
Mr. Khyber Khan Khattak	Lecturer, M.Phil. (Pakistan)

3 ACADEMIC PROGRAMS

1.1

The Department of Civil Engineering offers the following program(s):

3.1. B.Sc. Civil Engineering

4 PROGRAM MISSION

The mission of the B.Sc. Civil Engineering Program is:

To impart quality education in Civil Engineering fundamentals, application and skills through modern teaching and tools for socioeconomic development so as to produce graduates who are prepared to pursue professional excellence with moral responsibility.

5 PROGRAM EDUCATIONAL OBJECTIVES FOR BSC. CIVIL ENGINEERING PROGRAM

The graduates of Civil Engineering Program will be able to:

PEO 1: Demonstrate ability of sound knowledge and technical skills with a focus on global sustainability and socioeconomic development.

PEO 2: Illustrate effective teamwork capabilities, interpersonal and management skills with a quest for professional and technological growth.

PEO 3: Undertake professional practices considering moral, societal and environmental implications.

6 PROGRAM LEARNING OUTCOMES FOR BSC. CIVIL ENGINEERING PROGRAM

At the end of the studies at CED the program learning outcomes (PLOs) which are envisioned twelve graduate attributes should be attained by the graduates. These are consistent with the guidelines as per Manual of Accreditation 2019 of Pakistan Engineering Council (PEC). The course learning outcomes (CLOs) are the means to achieve PLOs of civil engineering curriculum and methods of direct and indirect assessment. In some activities such as final year project and survey camp the PLOs are calculated directly. The PLOs are listed as below:

1. **Engineering Knowledge:** An ability to apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
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.
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.
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.
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 the limitations.
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.
7. **Environment and Sustainability:** An ability to understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
9. **Individual and Team Work:** An ability to work e□ectively, as an individual or in a team, on multifaceted and /or multidisciplinary settings.
10. **Communication:** An ability to communicate e□ectively, 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 e□ective reports and design documentation, make e□ective presentations, and give and receive clear instructions.

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 multidisciplinary environment.
12. **Lifelong Learning:** An ability to recognize importance of, and pursue lifelong learning in the broader context of innovation and technological developments.

7 CAREER OPPORTUNITIES

The graduates of our Civil Engineering Program can start their careers in various design and contracting/Consulting firms/departments/institutions in the public and private sectors. Some of these include the Communication & Works Department, Public Health Engineering Department, Local Government, Irrigation Engineering Department, National Highway Authority, NESPAK and various other private firms associated with design and field execution works.

Graduates can choose their careers from a dynamic range of possibilities such as design firms involved in designing innovative multi-story buildings, roads and other hydraulic structures, or field jobs involving site inspection and quality control.

Aspiring students can also pursue their careers as post graduate researchers to explore novel materials, methodologies and techniques in construction industry such as green construction materials, earthquake resistant infrastructures and intelligent transportation systems etc.

8 RESEARCH

The department of civil engineering faculty will be actively involved in the following research areas:

1. Sustainable and innovative road and Building/Road materials
2. Modelling static and dynamic axle loads and its impact on pavement using Finite Element software
3. Road and Traffic safety
4. Re-use of waste materials in Road and building infrastructure
5. Groundwater hydrology and contamination, river hydraulics, multi-phase computational hydraulics, real-time control of multi-objective reservoir systems, watershed hydrology, storm water management, coastal flooding, water resources systems analysis, and hydro-informatics
6. Seismic rehabilitation of buildings and bridges; and applications and modeling of components and systems constructed with composite materials.
7. Smart irrigation management.

9 LABORATORIES

There are eight (08) dedicated state-of-the-art Laboratories that are extensively utilised for laboratory courses, open ended labs, research and commercial testing. For smooth functioning, laboratories are backed up with 200kVA generator. List of the available laboratories are:

1. Materials Testing Lab
2. Engineering Surveying Lab
3. Soil Mechanics & Highway Engineering Lab
4. Public health Engineering Lab
5. Mechanics of Solid Lab
6. Fluid Mechanics Lab
7. Engineering Drawing Lab
8. Computer Lab
9. Electro-Mechanical Engineering Lab (Shared)

10 SCHEME OF STUDIES

1st SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CE-227	Geology for Engineers	02	0	02	None
CE-113	Applied Physics & Electro-Mechanical Fundamentals	02	0	02	None
CE-113 L	Applied Physics & Electro-Mechanical Fundamentals Lab	0	03	01	None
BSH-106	Functional English	03	0	03	None

CE-211	Engineering Drawing	01	0	01	None
CE-211 L	Engineering Drawing Lab	0	03	01	None
BSH-133	Quantitative Reasoning-I	03	0	03	None
CS-101	Application of ICT	02	0	02	None
CS-101 L	Application of ICT Lab	0	03	01	None
BSH-1XX	Pakistan Studies	02	0	02	None
	Total Contact Hours	**15**	**09**		
	Total Credit Hours			**18**	

2nd SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CE-202	Engineering Surveying	02	0	02	None
CE-202 L	Engineering Surveying Lab	0	03	01	None
BSH-101	Islamic Studies	02	0	02	None
CE-112	Civil Engineering Materials	02	0	02	None
CE-112 L	Civil Engineering Materials Lab	0	03	01	None
BSH-106	Ideology & Constitution of Pakistan	02	0	02	None
BSH-135	Quantitative Reasoning-II	03	0	03	None
CE-110	Engineering Mechanics	02	0	02	None
CE-110 L	Engineering Mechanics Lab	0	03	01	None
CE-117	Occupational Health & Safety	01	0	01	None
	Total Contact Hours	**14**	**09**		
	Total Credit Hours			**17**	

3rd SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CE-313	CAD & Introduction to BIM	01	0	01	None
CE-313 L	CAD & Introduction to BIM Lab	0	06	02	None
CE-314	Advanced Engineering Surveying	02	0	02	Engineering Surveying
CE-314 L	Advanced Engineering Surveying Lab	0	03	01	None
CE-203	Fluid Mechanics	02	0	02	None
CE-203 L	Fluid Mechanics Lab	0	03	01	None
CE-318	Structural Analysis-I	03	0	03	Engineering Mechanics
CE-216	Mechanics of Solid-I	02	0	02	None
CE-216 L	Mechanics of Solid-I Lab	0	03	01	None
CE-212	Advanced Calculus	03	0	03	None
	Total Contact Hours	**13**	**15**		
	Total Credit Hours			**18**	

4th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CE-327	Construction Engineering	02	0	02	None
CS-116	Computer Programming	02	0	02	None
CS-116 L	Computer Programming Lab	0	03	01	None
BSH-324	Applied Mathematics	03	0	03	None
CE-317	Mechanics of Solid-II	02	0	02	Mechanics of Solid-I
CE-215	Soil Mechanics	02	0	02	None
CE-215 L	Soil Mechanics Lab	0	03	01	None
BSH-342	Engineering Economics	02	0	02	None
CE-303	Quantity & Cost Estimation	02	0	02	None
CE-303 L	Quantity & Cost Estimation Lab	0	03	01	None
	Internship* (6-8 weeks)	Non Credit			
	Total Contact Hours	**15**	**09**		
	Total Credit Hours			**18**	

5th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
BSH-231	Numerical Analysis	03	0	03	None
CE-306	Advanced Fluid Mechanics	02	0	02	Fluid Mechanics
CE-306 L	Advanced Fluid Mechanics Lab	0	03	01	None
BSH-314	Expository Writing	03	0	03	None
BSH-304	Geotechnical Engineering	03	0	03	Soil Mechanics
BSH-304 L	Geotechnical Engineering Lab	0	03	01	None
CE-308	Reinforced Concrete Design-I	03	0	03	None
CE-308 L	Reinforced Concrete Design-I Lab	0	03	01	None
	Total Contact Hours	**14**	**09**		
	Total Credit Hours			**17**	

6th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CE-329	Reinforced Concrete Design-II	03	0	03	Reinforced Concrete Design-I
CE-329 L	Reinforced Concrete Design-II Lab	0	03	01	None
CE-309	Transportation Engineering-I	03	0	03	None
CE-305	Environmental Engineering	02	0	02	None
CE-305 L	Environmental Engineering Lab	0	03	01	None
CE-318	Structural Analysis-II	03	0	03	Structural Analysis-I
CE-321	Engineering Hydrology	02	0	02	None
CE-321 L	Engineering Hydrology Lab	0	03	01	None
BSH-300	Civics & Community Engagement	01	0	01	None
BSH-300 L	Civics & Community Engagement Lab	0	03	01	None
	Surveying Camp*** (2-3 weeks)	Non Credit			
	Total Contact Hours	14	12		
	Total Credit Hours			18	

7th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CE-404	Foundation Engineering	02	0	02	Transportation Engineering-I
CE-407	Transportation Engineering-II	03	0	03	None
CE-407 L	Transportation Engineering-II Lab	0	03	01	None
CE-301	Modeling & Simulation	01	0	01	None
CE-301 L	Modeling & Simulation Lab	0	03	01	None
CE-423	Hydraulics Engineering	02	0	02	None
CE-423 L	Hydraulics Engineering Lab	0	03	01	None
CE-421	Project Management	02	0	02	None
BSH-1XX	Fehm-e-Quran-I	0	03	01	None
CE-498	FYDP Part-I	0	09	03	None
	Total Contact Hours	10	21		
	Total Credit Hours			17	

8th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
CE-427	Irrigation Engineering	02	0	02	None
CE-427 L	Irrigation Engineering Lab	0	03	01	None
CE-311	Geoinformatics	01	0	01	None
CE-311 L	Geoinformatics Lab	0	03	01	None
CE-426	Steel Structures	02	0	02	None
CE-332	Architecture & Town Planning	02	0	02	None
BSH-212	Professional Ethics	02	0	02	None
BSH-440	Entrepreneurship	02	0	02	None
BSH-2XX	Fehm-e-Quran-II	0	03	01	None
CE-498	FYDP Part-II	0	09	03	None
	Total Contact Hours	11	18		
	Total Credit Hours			17	


DEPARTMENT
of Mechanical Engineering

1 INTRODUCTION

Mechanical Engineering is one of the most versatile, broadest, and oldest Engineering professions. The Mechanical Engineering is responsible for development of products, designs, processes, and energy projects from micro to macro complex systems. Mechanical engineers confront with diverse and challenging engineering problems which requires integration of science, engineering, and socio-economic knowledge. They are trained to solve real-world engineering problems arising in energy production, heating, ventilation, air conditioning, automobile, locomotive, manufacturing, power generation, control systems etc. They design complex machines, manufacturing processes and translate them into real products that addresses societal issues. However, with recent advances, mechanical systems are increasingly integrated with electronics, sensors, actuators, micro-controllers, and computers. Mechanical engineering education thus needs to gear up to keep up with the fast-changing technology development

2 FACULTY

Chairman

Engr. Dr. Asad ullah	Ph.D. (South Korea)

Assistant Professors

Engr. Dr. Asad ullah	Ph.D. (South Korea)
Engr. Dr. Taufeeq Ur Rehman	Ph.D. (China)

Lecturers

Engr. Abdul Samad Saleem	M.Sc. (Pakistan)(On Study Leave)
Engr. Afnan Haider Khan	M.Sc. (Pakistan)
Engr. Nasir Akbar	M.Sc. (Pakistan)
Engr. Zeeshan Khan	M.Sc. (Pakistan)
Engr. Muhammad Awais Khan	M.Sc. (Pakistan)
Engr. Malik Sarmad Zahid	M.Sc. (Pakistan)
Engr. Muhammad Ishaq Khan	M.Sc. (Pakistan) (On Study Leave)

Lab Engineers

Engr. Abdul Hameed Khan	M.Sc. (Pakistan)
Engr. Mushaf ur Rehman Khan	M.Sc. (Pakistan)
Engr. Faiq Said	M.Sc. (Pakistan)

Shared Faculty

Dr. Mohammad Abbas Mehmood	Ph.D. (Thailand)
Dr. Ikram Ullah	Ph.D. (Pakistan)
Dr. Murtaza Ali Bangash	Ph.D. (Pakistan)
Dr. Mushtaq Ahmad Khan	Ph.D. (China)
Mrs. Shazia Habib	M.Sc. (Pakistan)
Mr. Khyber Khan Khattak	M.Phil (Pakistan)

3 DEPARTMENT MISSION

The mission of the Mechanical Engineering Department is:

To develop Mechanical Engineering Department as world class engineering institution that impart quality education in field of Mechanical Engineering fundamentals, application and skills through modern teaching and tools for socioeconomic development so as to produce graduates who are prepared to pursue professional excellence with moral responsibility.

4 ACADEMIC PROGRAMS

2.1

The Department of Mechanical Engineering offers the following program(s):

4.1. B.Sc. Mechanical Engineering

5 PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PEO-1: Apply mechanical engineering knowledge and technical skills to analyze complex engineering systems and develop effective solutions.

PEO-2: Demonstrate strong communication and management skills with the ability to work ethically as an effective leader and team member.

PEO-3: Pursue socio-economic growth with a commitment to ensuring environmental safety through sustainable solutions.

6 CAREER OPPORTUNITIES

Mechanical Engineering is one of the oldest engineering fields that offers great career opportunities to the graduates in a variety of sectors. These sectors include; Automobile, Railways, Aerospace, Textile, Amours, Defence, Power generation plants that mainly includes hydal, thermal, nuclear and renewable energy power plants. Graduates of Mechanical Engineering Department will have the opportunities to apply their knowledge and seek expertise in the aforementioned sectors both, locally and internationally. In Pakistan, our graduates have career opportunities in both public and private sectors. Some notable names in Pakistan where our graduates can seek career opportunities are; Atomic Energy Commission, WAPDA, Pakistan Railways, Pakistan Ordinance Factories (POF), C&W, OGDCL, Pakistan Armed Forces (Pak Army, Pak Navy, Pak Air-force), Heavy Industries Taxila, Heavy Mechanical Complex, ENGRO Pakistan, PEPSI, COCA COLA, HAIER, PEL, DAWLANCE Pakistan, Fauji Fertilizer Company (FFC), Indus Motors, Suzuki, Honda, Steel mills, Sugar mills, Cement Industries, Educational Institutions and R&D labs.

7 RESEARCH

The department is actively pursuing research in the following areas:

1. Thermo-Fluids and Systems
2. Dynamics and Control
3. Robotics and Automation
4. Engineering Materials
5. Nanotechnology
6. Renewable Energy Technologies
7. Design and Manufacturing
8. HVAC and Air Conditioning
9. IC Engines and Combustion
10. Aerodynamics
11. Automotive Engineering

9 LABORATORIES

The department has the following state-of-the-art laboratories

1. Thermodynamics Lab
2. Mechanics of Materials Lab
3. Engineering Mechanics Lab
4. Engineering Drawing and Graphics Lab
5. Computer Aided Design Lab
6. IC Engines and Power Plant Lab
7. Heat and Mass Transfer Lab
8. HVAC and Air Conditioning Lab
9. Mechanisms and Mechanical Vibration Lab
10. Fluid Mechanics Lab
11. Manufacturing Processes lab
12. Instrumentation, Measurement and Control Lab
13. Workshop Technology Lab
14. Manufacturing/ Industrial Automation Lab
15. Robotics Lab
16. Reverse Engineering and Inspection Techniques Lab
18. Artificial Intelligence
19. Strength of Materials Lab

10 SCHEME OF STUDIES

1st SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
ME-101	Engineering Drawing & Graphics	01	0	01	None
ME-101 L	Engineering Drawing & Graphics Lab	0	03	01	None
CS-101	Application of ICT	02	0	02	None
CS-101 L	Application of ICT Lab	0	03	01	None
BSH-101	Islamic Studies	02	0	02	None
BSH-106	Functional English	03	0	03	None
BSH-120	Applied Physics	02	0	02	None
BSH-120 L	Applied Physics Lab	0	03	01	None
BSH-130	Calculus & Analytical Geometry	03	0	03	None
	Total Contact Hours	**13**	**09**		
	Total Credit Hours			**16**	

2nd SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
ME-102	Engineering Mechanics-I (Statics)	03	0	03	None
ME-103 L	Computer Aided Drawing	0	03	01	ME-101
ME-104	Material Engineering	02	0	02	None
ME-105	Workshop Practice	01	0	01	None
ME-105 L	Workshop Practice Lab	0	03	01	None
EE-120	Basic Electrical Engineering	02	0	02	None
BSH-136	Linear Algebra & Differential Equations	03	0	03	None
BSH-215	Civics & Community Engagement	02	0	02	None
BSH-102	Pakistan Studies	02	0	03	None
BSH-205	Fehm-e-Quran -I	03	0	03	None
	Total Contact Hours	**18**	**06**		
	Total Credit Hours			**18**	

3rd SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
ME-201	Engineering Mechanics-II: Dynamics	02	0	02	ME-102
ME-201 L	Engineering Mechanics-II: Dynamics Lab	0	03	01	None
ME-202	Mechanics of Materials-I	03	0	03	None
ME-203	Thermodynamics-I	03	0	03	None
CS-102	Computer Programming	02	0	02	None
CS-102 L	Computer Programming Lab	0	03	01	None
BSH-232	Complex Variable & Transforms	03	0	03	None
BSH-108	Ideology & Constitution of Pakistan	02	0	02	BSH-102
BSH-206	Fehm-e-Quran -II	03	0	03	None
	Total Contact Hours	**18**	**06**		
	Total Credit Hours			**18**	

4th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
ME-204	Mechanics of Materials-II	03	0	03	ME-202
ME-204 L	Mechanics of Materials-II Lab	0	03	01	None
ME-205	Thermodynamics-II	02	0	02	ME-203
ME-205 L	Thermodynamics-II Lab	0	03	01	None
ME-206	Fluid Mechanics-I	03	0	03	None
EE-113	Electrical Engineering	02	0	02	None
EE-113 L	Electrical Engineering Lab	0	03	01	None
BSH-231	Numerical Analysis	02	0	02	None
BSH-231 L	Numerical Analysis Lab	02	0	03	None
BSH-305	Expository Writing	02	0	02	BSH-106
	Total Contact Hours	**14**	**12**		
	Total Credit Hours			**18**	

5th SEMESTER					
Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
ME-301	Mechanics of Machines	02	0	02	None
ME-302	Fluid Mechanics-II	02	0	02	ME-206
ME-302 L	Fluid Mechanics-II Lab	0	03	01	None
ME-303	Machine Design-I	03	0	03	None
ME-304	Instrumentation & Measurement	02	0	02	None
CS-3XX	Applied AI & Machine Learning	02	0	02	None

CS-3XX L	Applied AI & Machine Learning Lab	0	03	01	None
ME-305	Heat & Mass Transfer	03	0	03	ME-205
BSH-3XX	Social Sciences Elective**	02	0	02	None
	Total Contact Hours	**16**	**06**		
	Total Credit Hours			**18**	

6th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
ME-307	Machine Design-II	02	0	02	None
ME-308	Control Engineering	02	0	02	None
ME-308 L	Instrumentation, Measurement & Control Engineering Lab	0	03	01	None
ME-309	Heating, Ventilation & Air Conditioning	03	0	03	ME-305
ME-309 L	Heat Transfer & HVAC Lab	0	03	01	None
ME-310	Manufacturing Processes	02	0	02	ME-105
ME-310 L	Manufacturing Processes Lab	0	03	01	None
ME-311	Finite Element Methods	02	0	02	None
ME-311 L	Finite Element Methods Lab	0	03	01	None
ME-4XX	Technical Elective-I ****	02	0	02	None
	Total Contact Hours	**13**	**12**		
	Total Credit Hours			**17**	

7th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
ME-401	Mechanical Vibrations	03	0	03	None
ME-401 L	Mechanical Vibrations Lab	0	03	01	None
ME-402	Internal Combustion Engines	02	0	02	ME-205
ME-402 L	Internal Combustion Engines Lab	0	03	01	None
ME-4XX	Technical Elective-II ****	02	0	02	None
BSH-4XX	Probability & Stochastic / Math Elective ***	03	0	03	None
ME-499	Final Year Design Project-I	0	09	03	None
ME-312	Project Management	02	0	02	None
	Total Contact Hours	**12**	**15**		
	Total Credit Hours			**17**	

8th SEMESTER

Course Code	Course Title	Contact Hours		Credit Hours	Pre-Requisite
		Theory	Lab		
ME-404	Reverse Engineering & Inspection Techniques	02	0	02	None
ME-404 L	Reverse Engineering & Inspection Techniques Lab	0	03	01	None
ME-4XX	Technical Elective-III ****	02	0	02	None
ME-4XX L	Technical Elective-III **** Lab	0	03	01	None
ME-406	Mechatronics & Robotics Engineering	02	0	02	None
ME-406 L	Mechatronics & Robotics Engineering Lab	0	03	01	None
BSH-440	Entrepreneurship	02	0	02	None
CE-117	Occupational Health & Safety	01	0	01	None
ME-499	Final Year Design Project-II	0	09	03	None
	Total Contact Hours	**09**	**18**		
	Total Credit Hours			**15**	

* courses will be select from the List of Arts and Humanities Electives.

** courses will be select from the List of Social Sciences Electives.

*** courses will be select from the List of Mathematics Electives.

**** courses will be select from the List of Technical Electives.

XX will be replaced by actual code.


DEPARTMENT
of Natural Sciences & Humanities

1 INTRODUCTION

As evident from its name, the Department of Natural Sciences and Humanities (DNSH) has been established to manage all the general education courses of the professional degree programs of the University of Engineering and Technology Mardan. The NSH department has a proficient team of expertise to its credit who not only teaches their respective subjects but also actively involves in noncurricular and administrative activities. The department is fully committed to support all the degree-awarding programs of the University in the accomplishment of their respective goals and helps to propel the institution towards its vision and mission. The NSH faculty has been an integral part of the University of Engineering and Technology Mardan since its inception, and it not only remains to be an essential part of it till date but also aims to serve its great purpose for the coming promising years. The Department is striving to further extend its support to the University by launching multiple undergrad/postgrad degree awarding programs of its own through its highly qualified and experienced faculty.

2 FACULTY

Chairman

Dr. M. Abbas Mahmood	Ph.D. (Thailand)

Professors

Dr. Murtaza Ali	PhD. (Pak)

Associate Professors

Dr. M. Abbas Mahmood	Ph.D. (Thailand)

Assistant Professors

Dr. Ikram Ullah	PhD. (Pak)
Dr. Nadeem Jan	PhD. (Pak)

Lecturers

Dr. Mushtaq Ahmed	PhD. (China)
Mr. Khyber Khan Khattak	Ph.D. in Progress (Pak)
Mr. Fawad Khan	Ph.D. in Progress (Pak)
Mrs. Naznina Hakim	Ph.D. in Progress (Pak)
Dr. Arshad Alam Khan	PhD. (Pak)
Mrs. Shazia Habib	M. Phil (Pak) (On Study Leave)

3 ACADEMIC PROGRAMS

The Department offers the following Programs:

3.1. BS English

3.2. MS Mathematics

4 VISION

To adapt to the requirements of general education, instruction - communication, diversity, global perspective, interdisciplinary schooling- with those of the major.

5 INTRODUCTION (BS ENGLISH)

The BS English program at the University of Engineering and Technology, Mardan, is a forward-thinking academic initiative designed to meet the diverse demands of global employment markets while offering flexibility to align with students' individual interests. By seamlessly blending the study of literature with advanced English language training, the program fosters sophisticated writing, critical thinking, and pedagogical expertise, equipping students for success in academia, industry, and beyond. A distinctive feature is its integration of Artificial Intelligence (AI) and Digital Humanities, where students engage with cutting-edge tools like natural language processing (NLP), computational linguistics, and digital textual analysis to explore language and literature in innovative ways. This prepares graduates for

6 MISSION

The program of English will endeavor to be a leading figure in giving quality education in Language & Literary arts, with research in building modernistic boundaries in teaching methodologies and to empower the understudies and researchers for the position of authority on global level, with the help of language artistry.

7 AIM AND OBJECTIVES

The BS English program at UET Mardan enhances language proficiency in a global context while equipping students with versatile skills for diverse careers. It offers a strong foundation in literature—covering fiction, drama, prose, and non-fiction—alongside advanced linguistic and analytical training. By integrating Artificial Intelligence and Digital Humanities, the program introduces tools like NLP and digital textual analysis, preparing graduates for emerging roles in digital publishing, AI-assisted education, content creation, and data-driven communication.

8. SCHEME OF STUDIES

SEMESTER - 1			
Course Code	**Course Title**	**Credit Hours**	**Pre-Requisite**
BSH-103	Study Skills	3	None
BSH-104	Introduction to Political Science	3	None
BSH-102	Pakistan Studies	2	None
ELL-101	English I: Reading and Writing Skills	3	None
ELL-102	Introduction to Literary Studies	3	None
ELL-103	Introduction to Language Studies	3	None
	Total	**17**	
SEMESTER - 2			
Course Code	**Course Title**	**Credit Hours**	**Pre-Requisite**
BSH-101	Islamic Studies	2	None
BSH-133	Elementary Mathematics & Stats	3	None
BSH-105	Introduction to Philosophy	3	None
ELL-104	English II: Composition Writing	3	None
ELL-105	Introduction to Phonetics & Phonology	3	None
ELL-106	Literary Forms and Movements	3	None
	Total	**17**	

SEMESTER - 3			
Course Code	**Course Title**	**Credit Hours**	**Pre-Requisite**
CS-106	Introduction to Information & Computer Technology (ICT) Skills	3	None
BSH-202	Islamic History & Culture	3	None
BSH-243	Global Poetry	3	None
ELL-201	English III: Communication and Presentation Skills	3	None
ELL-202	Short Fictional Narratives	3	None
ELL-203	Introduction to Morphology	3	None
	Total	**18**	
SEMESTER - 4			
Course Code	**Course Title**	**Credit Hours**	**Pre-Requisite**
BSH-244	Human Rights & Citizenship	3	None
ELL-204	English IV: Academic Reading & Writing	3	None
ELL-205	Classical and Renaissance Drama	3	None
ELL-206	Classical Poetry	3	None
ELL-207	Semantics	3	None
ELL-208	Rise of the Novel (18th to 19th century)	3	None
	Total	**18**	
SEMESTER - 5			
Course Code	**Course Title**	**Credit Hours**	**Pre-Requisite**
BSH-344	Introduction to International Relations	3	None
BSH-345	Introduction to Environmental Studies	3	None
ELL-301	Romantic and Victorian Poetry	3	None
ELL-302	Foundations of Literary Theory & Criticism	3	None
ELL-303	Sociolinguistics	3	None
ELL-304	Popular Fiction	3	None
	Total	**18**	
SEMESTER - 6			
Course Code	**Course Title**	**Credit Hours**	**Pre-Requisite**
ELL-305	Modern Poetry	3	None
ELL-306	Modern Drama	3	None
ELL-307	Modern Novel	3	None
ELL-308	Grammar & Syntax	3	None
ELL-309	Discourse Studies	3	None
ELL-310	Creative Nonfiction	3	None
	Total	**18**	

SEMESTER - 7			
Course Code	**Course Title**	**Credit Hours**	**Pre-Requisite**
ELL-401	Research Methodology	3	None
ELL-402	Introduction to Applied Linguistics	3	None
ELL-403	Introduction to Stylistics	3	None
ELL-404	Literary Theory and Practice	3	None
ELL-405	Pakistani Literature in English	3	None
	Total	**15**	
SEMESTER - 8			
Course Code	**Course Title**	**Credit Hours**	**Pre-Requisite**
ELL-406	Post-Colonial Literature	3	None
ELL-407	American Literature	3	None
ELL-408	Introduction to Translation Studies	3	None
ELL-409	Introduction to Women's Writing	3	None
ELL-412	Dissertation Writing	3	None
	Total	**15**	


CENTRE
of Artificial Intellegence

1 INTRODUCTION

The Center of Artificial Intelligence (CAI) at UET Mardan is a dedicated academic and research unit focused on advancing the frontiers of Artificial Intelligence and its real-world applications. Established to foster innovation, research excellence, and industry collaboration, CAI serves as a hub for cutting-edge AI solutions aimed at addressing local and global challenges.

Our center brings together a multidisciplinary team of researchers, engineers, and students to work on transformative technologies including Machine Learning, Computer Vision, Natural Language Processing, Robotics, and the Internet of Things (IoT).

2 FACULTY

Professors

Prof. Dr. Gul Muhammad Khan

Prof. Dr. Iman Khan (Director)

Associate Professors

Dr. Sajad Ali	Ph.D.

Assistant Professors

Dr. Tariq Sadad

Dr. Inayat Khan

Lecturers

Dr. Jawad Ali	PhD.
Dr. Fahim Ullah Khan	Ph.D.
Engr. Muhammad Israr	MS (Semester Co-ordinator)
Engr. Muhammad Bilal Khan	MS
Umar Sadique	MS
Engr. Farhan Naeem	MS
Engr. Zia Ullah	MS
Mansoor Khan	MS

Lab Engineers

Engr. Salman Saleem

Engr. Zahra Khan

Ikram Ullah

Samad Riaz

Adil Shah

3 VISION

To become a leading center of excellence in Artificial Intelligence research, innovation, and education that empowers individuals and industries through intelligent technologies.

4 MISSION

1. To provide high-quality education and training in the field of Artificial Intelligence.
2. To conduct innovative and impactful research addressing national and international challenges.
3. To strengthen academia-industry linkages and drive technology transfer in the region.
4. To nurture a culture of entrepreneurship and innovation in AI technologies.

5 ACADEMIC PROGRAMS

The Department of Computer Science offers the following program:

1. BS Artificial Intelligence
2. BS Software Engineering
3. BS Computer Engineering
4. MS Artificial Intelligence (coming soon)
5. Ph.D. Artificial Intelligence (coming soon)

6 RESEARCH

The department is actively pursuing research in the following areas:

i. Machine Learning & Deep Learning
ii. Computer Vision & Image Processing
iii. Natural Language Processing
iv. Edge AI & Embedded Systems
v. Smart Cities & Urban Intelligence
vi. AI for Healthcare, Water, and Energy Sectors
vii. AIoT (Artificial Intelligence of Things)
viii. LLMs
ix. Genetic Programming

7 BS PROGRAMS

i. BS Artificial Intelligence

Introduction:

Artificial Intelligence (AI) is transforming industries, economies, and daily life, from healthcare and agriculture to finance and national security. The BSAI program at UET Mardan is designed to meet the growing demand for skilled AI professionals by offering a rigorous curriculum that blends core computer science principles with specialized AI domains such as machine learning, computer vision, natural language processing, and robotics. With a focus on Generative AI and Large Language Models (LLMs), the program prepares students to innovate and lead in an era where intelligent systems redefine human-machine interaction.

Vision Statement:

The Bachelor of Science in Artificial Intelligence (BSAI) program at the University of Engineering and Technology (UET) Mardan envisions becoming a leading hub for AI education and innovation, fostering graduates who drive technological advancements and ethical AI solutions to address global challenges. By integrating cutting-edge research, industry collaboration, and societal impact, the program aims to position Pakistan at the forefront of the AI revolution.

Mission:

The mission of the BSAI program is to:

- Educate students in foundational and advanced AI concepts, enabling them to design and deploy intelligent systems.
- Innovate through research and industry partnerships, addressing local and global challenges with AI-driven solutions.
- Empower graduates to become ethical leaders, entrepreneurs, and researchers who prioritize inclusivity, transparency, and societal benefit in AI applications.
- Collaborate with academia, industry, and government to align curriculum with emerging trends and workforce needs.

8 SCHEME OF STUDIES

1st SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
AI-101	Application of Information & Communication Technologies	02	02	General Education	None
AI-101 L	Application of Information & Communication Technologies Lab	01	03	General Education	None
AI-102	Programming Fundamentals	03	03	Computing Core	None
AI-102 L	Programming Fundamentals Lab	01	03	Computing Core	None
BSH-112	Functional English	03	03	General Education	None
BSH-***	Quantitative Reasoning-I	03	03	General Education	None
BSH-101	Islamic Studies	02	02	General Education	None
	Total	15	19		

2nd SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
AI-103	Digital Logic Design	02	02	Computing Core	None
AI-103 L	Digital Logic Design Lab	01	03	Computing Core	None
AI-104	Object Oriented Programming	03	03	Computing Core	CS-102
AI-104 L	Object Oriented Programming Lab	01	03	Computing Core	CS-102
BSH-***	Quantitative Reasoning-II	03	03	General Education	None
BSH-***	Linear Algebra	03	03	Math & Supporting Courses	None
BSH-***	Expository Writing	03	03	General Education	None
BSH-***	Ideology & Constitution of Pakistan	02	02	General Education	None
	Total	18	22		

3rd SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
AI-201	Data Structure	03	03	Computing Core	CS-102

AI-201 L	Data Structure Lab	01	03	Computing Core	CS-102
AI-202	Computer Org & Assembly Language	02	02	Computing Core	None
AI-202 L	Computer Org & Assembly Language Lab	01	03	Computing Core	None
AI-203	Database Systems	03	03	Computing Core	None
AI-203 L	Database Systems Lab	01	03	Computing Core	None
BSH-***	Multivariable Calculus	03	03	Math & Supporting Courses	None
BSH-***	Arts & Humanities	02	02	General Education	None
BSH-205	Fehm-e-Quran-I	01	03	General Education	None
	Total	17	25		

4th SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
AI-302	Software Engineering	03	03	Computing Core	None
AI-205	Artificial Intelligence	02	02	Computing Core	None
AI-205 L	Artificial Intelligence Lab	01	03	Computing Core	None
AI-206	Computer Networks	02	02	Computing Core	None
AI-206	Computer Networks Lab	01	03	Computing Core	None
AI-301	Operating Systems	02	02	Computing Core	None
AI-301 L	Operating Systems Lab	01	03	Computing Core	None
BSH-233	Probability & Statistics	03	03	Math & Supporting Courses	None
BSH-***	Civics & Community Engagement	02	02	General Education	None
BSH-205	Fehm-e-Quran-II	01	03	General Education	None
	Total	18	26		

5th SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
AI-303	Information Security	02	02	Computing Core	None
AI-303 L	Information Security Lab	01	03	Computing Core	None
AI-204	Analysis of Algorithms	03	03	Computing Core	CS-102
AI-304	Knowledge Representation & Reasoning	02	02	Domain Core	None
AI-304 L	Knowledge Representation & Reasoning Lab	01	03	Domain Core	None
AI-305	Programming for AI	02	02	Domain Core	None
AI-305 L	Programming for AI Lab	01	03	Domain Core	None
AI-307	Machine Learning	02	02	Domain Core	None
AI-307 L	Machine Learning Lab	01	03	Domain Core	None
AI-***	Domain Elective-I	02	02	Domain Elective	****
AI-***	Domain Elective-I Lab	01	03	Domain Elective	****
	Total	18	28		

6th SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
AI-305	Parallel & Distributed Computing	02	02	Domain Core	None
AI-305 L	Parallel & Distributed Computing Lab	01	03	Domain Core	None
AI-306	Artificial Neural Networks & Deep Learning	02	02	Domain Core	None
AI-306 L	Artificial Neural Networks & Deep Learning Lab	01	03	Domain Core	None
AI-401	Computer Vision	02	02	Domain Core	None
AI-401L	Computer Vision Lab	01	03	Domain Core	None
AI-307	Graph Theory	03	03	General Education	None
AI-***	Domain Elective-II	02	02	Domain Elective	****
AI-***	Domain Elective-II Lab	01	03	Domain Elective	****
BSH-***	Social Science-I	02	02	General Education	None
	Total	17	25		

7th SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
AI-401	Final Year Project-I	03	09	Computing Core	None
AI-***	Domain Elective-III	02	02	Domain Elective	****
AI-***	Domain Elective-III Lab	01	03	Domain Elective	****
AI-***	Domain Elective-IV	02	02	Domain Elective	****
AI-***	Domain Elective-IV Lab	01	03	Domain Elective	****
AI-***	Domain Elective-V	02	02	Domain Elective	****
AI-***	Domain Elective-V Lab	01	03	Domain Elective	****
BSH-312	Technical & Business Writing	02	02	Math & Supporting Courses	None
	Total	15	27		

8th SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
AI-401	Final Year Project-II	03	09	Computing Core	FYP-I
AI-***	Domain Elective-VI	02	02	Domain Elective	****
AI-***	Domain Elective-VI Lab	01	03	Domain Elective	****
AI-***	Domain Elective-VII	02	02	Domain Elective	****
AI-***	Domain Elective-VII Lab	01	03	Domain Elective	****
BSH-440	Entrepreneurship	02	02	General Education	None
BSH-***	Social Science-II	03	03	Elective Supporting	None
	Total	14	24		

I. BS SOFTWARE ENGINEERING

Introduction

Software Engineering is the systematic approach to developing high-quality, reliable, and maintainable software systems. The BS Software Engineering at UET Mardan is designed in strict compliance with the National Computing Education Accreditation Council (NCEAC) standards to ensure graduates possess the technical expertise and professional skills demanded by industry and academia. The program emphasizes practical software development, modern programming paradigms, and industry best practices, covering areas such as software design, requirements engineering, quality assurance, and project management. Through hands-on projects, internships, and research opportunities, students gain real-world experience in building scalable and secure software solutions.

Vision Statement:

The Bachelor of Science in Software Engineering (BSSE) program at UET Mardan aspires to be a premier software engineering program recognized for excellence in education, research, and innovation, producing graduates who meet the highest standards set by the National Computing Education Accreditation Council (NCEAC) and contribute to Pakistan's growing IT industry.

Aim:

The BSSE program aims to develop highly skilled software engineers who:

- Design, develop, and maintain robust software systems meeting industry standards
- Apply systematic engineering approaches to solve complex computing problems
- Contribute e□ectively to team-based software projects in diverse domains

Uphold professional ethics and social responsibility in technological solutions

8 SCHEME OF STUDIES

1st SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
SWE-101	Application of Information & Communication Technologies	02	02	General Education	None
SWE-101 L	Application of Information & Communication Technologies Lab	01	03	General Education	None
SWE-102	Computer Programming	03	03	Computing Core	None
SWE-102 L	Computer Programming Lab	01	03	Computing Core	None
BSH-123	Basic Physics	03	03	General Education	None
BSH-110	Functional English	03	03	General Education	None
BSH-130	Calculus & Analytical Geometry	03	03	General Education	None
BSH-205	Fehm-Ul-Quran-I	01	03	General Education	None
	Total	17	23		

2nd SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
SWE-103	Discrete Structures	03	03	General Education	None
SWE-104	Digital Logic Design	02	02	Computing Core	None
SWE-104 L	Digital Logic Design Lab	01	03	Computing Core	None
SWE-107	Object Oriented Programming	03	03	Computing Core	CS-102
SWE-107 L	Object Oriented Programming Lab	01	03	Computing Core	CS-102
BSH-132	Linear Algebra	03	03	Maths	None
BSH-101	Islamic Studies	02	02	General Education	None
BSH-102	Pakistan Studies	03	03	General Education	None

BSH-206	Fehm-Ul-Quran-II	01	03	General Education	None
	Total	18	22		

3rd SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
SWE-202	Data Structure & Algorithms	03	03	Computing Core	SE-107
SWE-202 L	Data Structure & Algorithms Lab	01	03	Computing Core	SE-107
SWE-204	Introduction to Software Engineering	03	03	Computing Core	None
SWE-304	Operating Systems	02	02	Computing Core	None
SWE-304 L	Operating Systems Lab	01	03	Computing Core	None
BSH-232	Complex Variable & Transforms	03	03	Maths	None
BSH-***	Expository Writing	03	03	General Education	None
BSH-***	Social Science Elective-I	03	03	SS (Elective Support Course)	None
	Total	19	23		

4th SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
SWE-207	Software Requirements Engineering	03	03	Domain Core	SE-204
SWE-209	Introduction to Database Systems	03	03	Computing Core	None
SWE-209 L	Introduction to Database Systems Lab	01	03	Computing Core	None
SWE-305	Computer Communication & Networks	02	02	Computing Core	None
SWE-305 L	Computer Communication & Networks Lab	01	03	Computing Core	None
SWE-202	Computer Organization & Assembly Language	02	02	Computing Core	None
SWE-202 L	Computer Organization & Assembly Language Lab	01	03	Computing Core	None
BSH-341	Probability & Statistics	03	03	Maths	None
	Total	16	22		

5th SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
SWE-***	Software Engineering Elective-I	03	03	Domain Elective	++
SWE-302	Software Design & Architecture	03	03	Domain Core	None
SWE-308	Artificial Intelligence	02	02	Computing Core	None
SWE-308 L	Artificial Intelligence Lab	01	03	Computing Core	None
SWE-307	Software Qaulity Engineering	03	03	Domain Core	SWE-204
BSH-311	Technical Writing & Professional Skills	03	03	Maths & Supporting	None
	Total	15	17		

6th SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
SWE-***	Software Engineering Elective-II	02	02	Domain Elective	++
SWE-*** L	Software Engineering Elective-II Lab	01	03	Domain Elective	++
SWE-206	Software Construction & Development	02	02	Domain Core	SWE-302
SWE-206 L	Software Construction & Development Lab	01	03	Domain Core	SWE-302
SWE-***	Software Engineering Elective-III	03	03	Domain Core	++
SWE-402	Software Project Management	03	03	Domain Core	None
BSH-440	Entrepreneurship	02	02	General Education	None
SWE-305	Parallel & Distributed Computing	02	02	Domain Core	****
SWE-305 L	Parallel & Distributed Computing Lab	01	03	Domain Core	****
	Total	17	23		

7th SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
SWE-***	Software Engineering Elective-IV	02	02	Domain Elective	++
SWE-*** L	Software Engineering Elective-IV Lab	01	03	Domain Elective	++
SWE-***	Software Engineering Elective-V	02	02	Domain Elective	++
SWE-*** L	Software Engineering Elective-V Lab	01	03	Domain Elective	++
SWE-327	Information Security	02	02	Computing Core	None
SWE-327 L	Information Security Lab	01	03	Computing Core	None
BSH-***	Social Science Elective-II	02	02	GER	None
SWE-312	Design & Analysis of Algorithms	02	02	Computing Core	None
SWE-406a	Final Year Project-I	03	09	Computing Core	None
	Total	17	26		

8th SEMESTER

Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
SWE-***	Software Engineering Elective-VI	02	02	Domain Elective	++

SWE-*** L	Software Engineering Elective-VI Lab	01	03	Domain Elective	++
SWE-***	Software Engineering Elective-VII	03	03	Domain Elective	++
BSH-110	Professional Practices	02	02	General Education	None
SWE-405b	Domain Elective-VII Lab	01	03	Computing Core	SWE-405a
	Total	11	19		

III. BS COMPUTER ENGINEERING

Introduction:

Computer Engineering bridges the gap between electrical engineering and computer science, focusing on the design and implementation of computing systems. The BS Computer Engineering at UET Mardan provides students with a comprehensive understanding of computer hardware, firmware, and software, enabling them to develop innovative solutions for modern computing challenges. The program combines theoretical foundations with hands-on practical experience in areas such as embedded systems, digital logic design, computer architecture, and system integration. By emphasizing both hardware and software aspects, graduates are well-prepared to tackle complex problems in industries ranging from consumer electronics to industrial automation and beyond.

Vision Statement:

The mission of the BS Computer Engineering is to:

1. Provide a rigorous education in computer engineering principles, covering both hardware and software domains
2. Foster innovation and problem-solving skills through laboratory work, projects, and research
3. Develop professional competencies in system design, implementation, and testing
4. Promote ethical practices and social responsibility in technological development
5. Prepare graduates for lifelong learning and adaptation to emerging technologies

Aim:

The BS Computer Engineering program aims to produce highly skilled computer engineers who:

1. Design and implement efficient computing systems integrating hardware and software components
2. Apply engineering principles to solve real-world problems in diverse application domains
3. Work effectively in multidisciplinary teams and communicate technical concepts clearly
4. Contribute to technological advancement while adhering to professional and ethical standards

8 SCHEME OF STUDIES

2nd SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
CEN-101	Programming Fundamentals	03	03	Domain Core	None
CEN-110	Application of Info & Communication Techs	02	02	General Education	None
CEN-111	Discrete Structures	03	03	General Education	None
BSH-104	Calculus & Analytical Geometry	03	03	General Education	None
BSH-103	Functional English	03	03	General Education	None
	Total	16	20		

2nd SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
CEN-102	Object Oriented Programming	04	03	Computing Core	None
CEN-103	Database Systems	04	02	Computing Core	None
CEN-104	Digital Logic Design	03	03	Computing Core	None
BSH-131	Multivariable Calculus	03	03	Maths	None
BSH-142	Linear Algebra	03	03	Maths	None
	Total	17	23		

3rd SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
CEN-201	Data Structure	04	03	Computing Core	None
CEN-202	Information Security	04	02	Computing Core	None
CEN-203	Artificial Intelligence	03	03	Computing Core	None
CEN-204	Computer Network	03	03	Computing Core	None
CEN-205	Software Engineering	03	03	Computing Core	None
BSH-341	Probability & Statistics	03	03	Maths	None
	Total	19	27		

4th SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
CEN-206	Computer Org & Assembly Language	03	05	Computing Core	None
CEN-210	Domain Core I (Linear Circuit Analysis)	03	03	Domain Core	None
CEN-211	Domain Core II (Electric Network Analysis)	03	05	Domain Core	None
BSH-120	Computer Network	03	05	General Education	None
BSH-305	Software Engineering	03	03	General Education	None
BSH-101	Probability & Statistics	02	02	General Education	None
	Total	17	23		

5th SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
CEN-301	Operating Systems	03	05	Computing Core	None
CEN-310	Domain Core III (Electronic Devices & Circuits)	03	03	Domain Core	None
CEN-311	Domain Core IV (Computer Architecture)	03	05	Domain Core	None
CEN-3XX	Domain Elective I	03	05	Domain Elective	None
CEN-3XX	Domain Elective II	03	03	Domain Elective	None
BSH-2XX	Social Science (e.g Intro to Management)	02	02	General Education	None
	Total	17	27		

6th SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
CEN-320	Domain Core V (Signals & Systems)	03	05	Computing Core	None
CEN-321	Domain Core VI (Parallel & Distributed Computing)	03	03	Domain Core	None
CEN-3XX	Domain Elective III	03	05	Domain Core	None
CEN-3XX	Domain Elective IV	03	05	Domain Elective	None
CEN-3XX	Domain Elective V	03	05	Domain Elective	None
CEN-3XX	Domain Elective VI	03	05	General Education	None
	Total	18	30		

7th SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
CEN-402	Final Year Project - I	02	06	Computing Core	None
CEN-401	Analysis of Algorithms	03	03	Computing Core	None
CEN-410	Digital Signal Processing	03	05	Domain Elective	None
BSH-1XX	Elective Supporting Course (e.g Intro to Marketing)	03	03	SS	None
BSH-301	Technical & Business Writing	03	03	EN	None
CEN-401	Entrepreneurship	02	02	General Education	None
	Total	18	30		

8th SEMESTER					
Course Code	Course Title	Credit Hours	Contact Hours	Knowledge Area	Pre-Requisite
CEN-402	Final Year Project - II	04	12	Computing Core	None
CEN-108	Ideology & Constitution of Pakistan	03	03	Computing Core	None
BSH-110	Arts & Humanities (Professional Practices)	02	02	General Education	None
BSH-4XX	Civics & Community Engagement	02	02	General Education	None
	Total	10	18		

8 MS PROGRAMS

Offered Programs:

i. MS Artificial Intelligence (Coming Soon)

Eligibility Criteria for Admission in MSc Artificial Intelligence

Bachelor's degree (16-years of education) in Computer Software Engineering, Computer Science, Information Technology OR Computer Science Conversion course two years degree program (16 years of education) referred to as MCS or M.Sc. Computer Science OR Sixteen years education in relevant engineering program.

Duration of the Program and Semester-wise course breakdown for

MS Artificial Intelligence at Center of AI UET Mardan

Plan - A

Plan A of Master of Science in Artificial Intelligence comprises of 27+6=33 credit hours. 18 credit hours from AI core domain. 3 credit hours course of Research Methodology. A final thesis worth 6 credit hours. It will be a two-year full-time program.

Table 1: Program Outline

MS Course Work		
Description	No of Courses	Credit Hours
Core Courses	06	18
University Core Course (Research Methodology)	01	03
Common Elective	02	06
Total Credit Hours of Course Work		27
MS Thesis		06
Total Credit Hours of Program		33

1. Minimum Duration

- No of Years : 02
- No of Semester : 04

2. Course Work

MS Course Work		
Description	No of Courses	Credit Hours
Core Courses	06	18
University Core Course (Research Methodology)	01	03
Elective Courses	02	06
MS Thesis	01	06

3. Total Number of Courses in the Program 09

4. Total Credit Hours of the Program 33

5. Minimum Credit Hours Required 33

Note: The Regulations relating to graduate Degree Programs approved by the Competent Authority and amended from time to time shall be applicable.

Semester-wise Breakup of Courses:

1st SEMESTER				
S. No.	Course Title	Lecture Hours	Lab Hours	Credit Hours
1	Core I	03	0	03
2	Core II	03	0	03
3	Core III	03	0	03
Total		09	0	09
2nd SEMESTER				
S. No.	Course Title	Lecture Hours	Lab Hours	Credit Hours
1	Core IV	03	0	03
2	Core V	03	0	03
3	Core VI	03	0	03
Total		09	0	09
3rd SEMESTER				
S. No.	Course Title	Lecture Hours	Lab Hours	Credit Hours
1	Elective I	03	0	03
2	Elective II	03	0	03
3	University Core Subject	03	0	03
Total		09	0	09
3rd SEMESTER				
S. No.	Course Title	Lecture Hours	Lab Hours	Credit Hours
1	M.Sc. Thesis	0	06	06

Course offerings for M.Sc. Artificial Intelligence

The curriculum for this stream is systematically organized to build on the students' increasing knowledge of complex AI technologies and workflows. Students learn to recognize the psychological and design implications of human interactions with intelligent systems and learn how business needs affect the way intelligent systems are considered and deployed.

The curriculum is designed by following the HEC approved guidelines. Details of the courses are as under:

a. Course outlines for the proposed subjects are attached as Annex A.

b. List of MS courses to be offered in the MS Program in Artificial Intelligence is as follows:

Core Courses ***(Any 6 of the following)***

Core Courses		
Code	Course Name	Credit Hours
AI-701	Artificial Intelligence	03
AI-702	Machine Learning	03
AI-703	Math Methods for AI	03
AI-704	Probability & Random Signal Noise	03

AI-705	Computer Vision	03
AI-706	Neural Networks	03
AI-707	Evolutionary Algorithms	03
AI-708	Data Mining	03
AI-709	Deep Learning	03
AI-710	Research Methodology	03
AI-610	Reinforcement Learning	03
AI-614	Natural Language Processing	03

University Core Course

Core Courses		
Code	Course Name	Credit Hours
AI-711	Research Methodology	03

*Note: * course is compulsory.*

Core Courses		
Code	Course Name	Credit Hours
AI-711	Probabilistic Graphical Model	03
AI-712	Probabilistic Robotics	03
AI-713	Sensors & Sensing	03
AI-714	Modeling & Simulation	03
AI-715	Advanced Programming in Python	03
AI-716	Cyber Security	03
AI-717	Internet of things	03
AI-718	Pattern Recognition	03
AI-719	Multi-Agent Systems	03
AI-720	Knowledge Representation & Reasoning	03
AI-721	Speech Processing	03
AI-722	Data Acquisition & Control	03
AI-723	Intelligence Systems	03
AI-724	Rehabilitative & Assistive Robotics	03
AI-725	Bio Robotics	03
AI-726	Information Retrieval	03
AI-727	Semantic Web	03
AI-728	Data Analysis & Visualization	03
AI-729	Complex Adaptive Systems	03
AI-730	Text Analytics	03
AI-731	Intelligent Transportation Systems	03
AI-732	Social Simulations	03
AI-733	Ethical Machines	03
AI-734	Big Data Analytics	03
AI-735	Robot Motion Planning	03
AI-736	Advanced Image Processing	03
AI-737	Human Robot Interaction	03
AI-738	Simultaneous Localization and Mapping	03
AI-739	Robotic Grasping & Fixturing	03
AI-740	Advanced Signal Processing	03
AI-741	Computational Creativity	03
AI-742	Serious Games	03
AI-743	Advanced Big Data Analytics	03
AI-744	Advanced Artificial Intelligence	03
AI-745	Special Studies	03
AI-799	MS Thesis for Plan A	06

9 PHD PROGRAMS

Offered Programs:

i. Ph.D. Artificial Intelligence (Coming Soon)

Eligibility Criteria for Admission in MSc Artificial Intelligencel.

For admission in Ph.D in Artificial Intelligence, Masters/M.Phil/equivalent degree (18 years of education) in the related feild.
II. Subject Test (score>=60%) conducted by University Appointed Testing Authority (UATA) or the Subject Test (score.=70%) conducted by a University Committee consisting of at least 3 Ph.D faculty members in the subject area and approved by the HEC, will be considered

The PhD in Artificial Intelligence comprises of 18+36=54 credit hours. 18 credit hours from course work. 36 credit hours of research work.

Table 1: Program Outline

MS Course Work		
Description	No of Courses	Credit Hours
Courses Work	06	18
Research Work	01	36
Total Credit Hours of Course Work		18
Total Credit Hours of Program		54

1. **Minimum Duration**
   i. No. of years: 03
   ii. No. of semesters: 06
2. Total Number of Courses in the Program 6
3. **Minimum Credit Hours Required** **54**

Semester-wise Breakup of Courses:

1st SEMESTER				
S. No.	Course Title	Lecture Hours	Lab Hours	Credit Hours
1	Subject Course I	03	0	03
2	Subject Course II	03	0	03
3	Subject Course III	03	0	03
Total		09	0	09
2nd SEMESTER				
1	Subject Course VI	03	0	03
2	Subject Course V	03	0	03
3	Subject Course VI	03	0	03
Total		09	0	09
3rd SEMESTER				
1	Ph.D Thesis	09	0	09
Total		09	0	09
4th SEMESTER				
1	Ph.D Thesis	09	0	09
Total		09	0	09
5th SEMESTER				
1	Ph.D Thesis	09	0	09
Total		09	0	09
6th SEMESTER				
1	Ph.D Thesis	09	0	09
Total		09	0	09

Core Courses

Core Courses		
Code	Course Name	Credit Hours
AI-801	Artificial Intelligence	03
AI-802	Machine Learning	03
AI-803	Math Methods for AI	03
AI-804	Probability & Random Signal & Noise	03
AI-805	Computer Vision	03
AI-806	Neural Networks	03
AI-807	Evolutionary Algorithms	03
AI-808	Data Mining	03
AI-809	Deep Learning	03
AI-810	Research Methodology	03
AI-610	Reinforcement Learning	03
AI-614	Natural Language Processing	03

Elective Courses

Core Courses		
Code	Course Name	Credit Hours
AI-811	Probabilistics Graphical Method	03
AI-812	Probabilistic Robotics	03
AI-813	Sensors & Sensing	03
AI-814	Modeling & Simulation	03
AI-815	Advanced Programming in Python	03
AI-816	Cyber Security	03
AI-817	Internet of things	03
AI-818	Pattern Recognition	03
AI-819	Multi-Agent Systems	03
AI-820	Knowledge Representation & Reasoning	03
AI-821	Speech Processing	03
AI-822	Data Acquisition & Control	03
AI-823	Intelligence Systems	03
AI-824	Rehabilitative & Assistive Robotics	03
AI-825	Bio Robotics	03
AI-826	Information Retrieval	03
AI-827	Semantic Web	03
AI-828	Data Analysis & Visualization	03
AI-829	Complex Adaptive Systems	03
AI-830	Text Analytics	03
AI-831	Intelligent Transportation Systems	03
AI-832	Social Simulations	03
AI-833	Ethical Machines	03

Core Courses		
Code	Course Name	Credit Hours
AI-834	Big Data Analytics	03
AI-835	Robot Motion Planning	03
AI-836	Advanced Image Processing	03
AI-837	Human Robot Interaction	03
AI-838	Simultaneous Localization & Mapping	03
AI-839	Robotic Grasping & Fixturing	03
AI-840	Advanced Signal Processing	03
AI-841	Computational Creativity	03
AI-842	Serious Games	03
AI-843	Advanced Big Data Analytics	03
AI-844	Advanced Artificial Intelligence	03
AI-845	Special Studies	03
AI-899	Ph.D Thesis	36


ADMISSION
Rules

1 GENERAL

Admission to BSc. Engineering and BS Modern technological degree programs shall be granted on the basis of merit. The allocation of seats in each discipline of UET Mardan is given below:

Table: Allocation of Seats 2024-25

Details	Electrical Engineering	Telecommunication Engineering	Software Engineering	Computer Science	Civil Engineering	Mechanical Engineering	Artificial Intelligence(NCEAC)	Software Engineering (NCEAC)	Computer Engineering (NCEAC)	TOTAL
Open	67	65	45	87	32	32				328
Rationalized	26	6	49	57	14	14	50	50	50	316
FATA	2	2	2	2	2	2				12
AJ&K		1	1							2
Balochistan		1	1							2
S/D of UET Mardan Employees	1	1	1	1	1	1				6
Overseas Pakistanis Children	1	1	1	1	1	1				6
Religious Minorities	3	3		2						8
TOTAL	100	80	100	150	50	50	50	50	50	680

* In case there are no applicants for the above-mentioned quota seats, these seats shall be filled with regular applicants on merit as Rationalized seats.

* Erstwhile FATA candidates are eligible to apply directly for the Open merit, rationalized and schemes of Engineering, computing and other Programs, respectively. However, if they are applying against the FATA reserved quota seats, they may contact the Directorate of Admissions, University of Engineering & Technology Mardan or UET Peshawar for application forms.

- **Sons/Daughters of UET Mardan Employees** are also eligible to apply for the open merit, rationalized schemes.
- **Overseas Pakistanis Children and Religious Minorities,** candidates are eligible to apply directly for the Open merit, rationalized schemes of Engineering, computing and other Programs, respectively. They can also apply for quota seats on Rationalized schemes through their relevant ministries in addition to submitting a direct application to the Directorate of Admission at UET Mardan.
- **At most 10% Open merit seats in each department,** will be granted to candidates of provinces other than Khyber Pakhtunkhwa whereas priority will be given to the candidates from Khyber Pakhtunkhwa and Erstwhile FATA in case the seats are not filled.
- Candidates are advised to carefully read the admission rules before filling out the admission form.

2 ELIGIBILITY FOR ADMISSION

Candidates applying for admission must meet the following criteria:

(a) They must have Khyber Pakhtunkhwa (settled areas before the FATA merged) domicile.

(b) Candidates for engineering programs must have appeared in the Entrance Test conducted by the Government of Khyber Pakhtunkhwa, Educational Testing and Evaluation Agency (ETEA), Peshawar or Authorized testing Agency nominated/mentioned by PEC for the Academic **Session 2025-26**. The Entrance test is valid for one academic year only.

(i) For Engineering Programs, the candidates must have passed Intermediate (Pre-Engineering/Computer Science)/DAE* or equivalent qualification with mathematics as subject with at least 60% unadjusted

unadjusted marks. As per PEC policy 40% seats are reserved for Pre-Medical candidates for Engineering programs.

(ii) For BS Computer Science, BS Artificial Engineering and BS Software Engineering the candidates must have passed Intermediate (Pre-Engineering/Pre-medical/Computer Science/General Science with mathematics or statistics)/DAE* or equivalent qualification with at least 50% unadjusted marks.

(iii) For BS Computer Engineering candidates must have passed Intermediate (Pre-Engineering/Pre-medical**/Computer Science/General Science with mathematics or statistics)/DAE* or equivalent qualification with at least 60% unadjusted marks, Candidates with equivalent examination shall have to produce "Equivalence and Conversion of Marks Certificate" issued by the Inter Board Committee of Chairmen (IBCC), Ministry of Education, Islamabad, Government of Pakistan, along with the application form.

*list of relevant Diplomas of Associate Engineer (DAEs) are available in Section 11 (Table 2)

** *Students with pre-medical, must have to pass deficiency courses of Mathematics of 6 credit hours in first two semesters.*

3 QUOTA SEATS

Candidates applying against reserved quota seat must have domicile in the relevant area and fulfilling the requirements mentioned in Section 2(a & b) and also meet the following criteria:

(a) Candidates who have studied abroad and also candidates having a domicile of other provinces, seeking admission on reserved seats must have passed Scholastic Aptitude Test (SAT-II) (Physics, Chemistry, Mathematics) with a minimum score of 50% or appeared in the entrance test (conducted in the current year) from any other Pakistan Engineering Council (PEC) accredited public sector engineering university of the respective province. The SAT-II test shall be valid for two academic years.

3.1 Erstwhile Federally Administered Tribal Areas (Erstwhile FATA):

The focal point for dealing with applications of Erstwhile FATA applicants is the Directorate of Admissions, UET Peshawar. Ministry of States and Frontier Regions (SAFRON), Government of Pakistan/FATA Secretariat/Home, and Tribal Area's department shall make nominations of candidates.

3.2 Azad Jammu & Kashmir:

Nomination of candidates fulfilling eligibility criteria shall be made by the Nomination Board, Government of Azad Jammu & Kashmir, Muzaffarabad.

3.3 Balochistan Province:

Nominations of candidates fulfilling eligibility criteria shall be made by the Director of Colleges, Higher & Technical Education, Govt. of Balochistan, Quetta.

3.4 MINORITIES SEATS RESERVED FOR Non-Muslim Applicants:

The minority seats for rationalized category are exclusively open to non-Muslim candidates who hold a domicile of Khyber Pakhtunkhwa /Newly Merged Area Districts (NMADs). The Admission Committee of UET Mardan will grant admission to qualified minority candidates from the merit list. Both the candidate and his/her father must have a domicile of Khyber Pakhtunkhwa / NMADs. If the candidate's father is deceased, the valid domicile of the mother from Khyber Pakhtunkhwa / NMADs will be taken into consideration.

3.5 Overseas Pakistanis Children:

These seats are reserved for applicants whose parents meet the requirements (including valid OPF Membership and Foreign Exchange Remittance cards) set by the Overseas Pakistani Foundation and Ministry of Labour and Manpower, Government of Pakistan.

Note: The application should be recommended to the Admission Committee of UET Mardan through the relevant Ministry. The Admission Committee of UET Mardan shall make final decision of the admission of the candidate within speculated time.

3.6 Sons/Daughters of Employees of UET Mardan:

The admission of sons/daughters of employees of UET Mardan fulfilling eligibility criteria shall be made on merit and normal fee waiver.

(a) Sons/daughters of the following categories of employees are eligible to apply:

(I) Permanent employees of UET Mardan who are confirmed in their service, on the last date of submission of application forms.

(ii) Retired employees who have served the University for at least 10 years.

(iii) Deceased employees who died while in service of the University, provided they were confirmed in their appointment at the time of death.

(b) The Sons/Daughters of the following employees are ineligible.

(i) Those who have been dismissed, removed, or terminated from service.

(ii) Serving on a deputation basis at UET Mardan.

(c) Adopted Children/dependents of employees are ineligible for admission against these seats.

(d) Once an Employee's son/daughter is admitted in any discipline in academic session, he/she shall not be eligible for the admission in other disciplines for the next academic session.+

4 APPLICATION PROCEDURE

4.1 The Directorate of Admissions shall call for online applications for admissions in B.Sc. Engineering and BS Non-Engineering programs through advertisement on different forums. The Admission Committee shall process all valid applications received for admissions to Engineering and Non-Engineering programs.

4.2 Candidates shall apply for admission in various programs of the University of Engineering and Technology Mardan by submitting online application forms via the University portal on or before the last date advertised for the purpose.

4.3 Candidates must specify their preferences/choices of disciplines in the online application form. The preferences/choices of disciplines can be changed/corrected as per the schedule announced by the Director of Admissions by filling the Correction/Rectification Form, available at the Directorate of Admission on payment of Rs. 500/-. Copy of the previously submitted application form must be attached to the Correction/Rectification Form.

4.4 Candidates belonging to AJK and Balochistan can only apply for admission against the quota seats (mentioned in Table 1) and shall submit their applications through their nominating agencies. Disciplines for these categories shall be allotted by the nominating agencies. The University shall communicate the last date for the receipt of nominations to the concerned nominating agencies.

4.5 Candidates applying for admission against the erstwhile FATA reserved seats shall submit their applications to UET Mardan or UET Peshawar.

4.6 List of required documents (attested photocopies) to be submitted with the **online Application Form**.

i. DMCs of SSC and HSSC/Intermediate Part-I & Part-II (Separate). In case result of Part-II is not declared, roll number slip issued by the concerned board should be uploaded.

ii. DMC of Additional Mathematics, (if applicable).

iii. DMCs of Diploma of Associate Engineer (DAE), if applicable.

iv. Original/Provisional Certificate of SSC and HSSC/DAE.

v. Hafiz-e-Quran Certificate from a recognized institution/Wafaqul Madaris (if applicable).

vi. Domicile Certificate.

vii. Father's/Mother's/Guardian's Computerized National Identity Card.

viii. Computerized National Identity Card or Children Registration Certificate (CRC) of the applicant.

ix. Good Character Certificate from the institute last attended.

x. Passport size photograph

xi. Fee challan of application processing

4.7 Provisional merit list shall be prepared and displayed on the admission Notice Board of the University and University Website

http://www.uetmardan.edu.pk as per the admission schedule. It is the responsibility of the candidates to check the admission Notice Board /University's official webpage and appear for admission interview on the date announced.

4.8 Selected candidates are required to appear for admission interview along with their parents /guardians. Candidates will be required to complete admission formalities on the same date, failing which the seat shall fall vacant. In case a candidate does not appear for admission interview as per the admission schedule his/her name shall be removed from the merit lists.

4.9 Candidates selected for admission shall submit the following original documents at the time of **admission/interview**.

i. Detailed Marks Certificate of Intermediate or equivalent examination on the basis of which admission is sought. In case the examination consists of Part-I and Part II, detailed marks certificates of each part shall be submitted.

ii. Candidates who have awaiting results of intermediate Part-II or final year of DAE must submit an undertaking (on the prescribed specimen available at the Directorate of Admission) on stamp paper at the time of admission/ interview.

iii. An equivalence/marks conversion certificate, issued by the Inter-Board Committee of Chairmen (IBCC), Ministry of Education, Islamabad, Government of Pakistan in case of candidates having passed an equivalent examination from an institute outside Pakistan.

iv. Original/Provisional Certificate of SSC and HSSC/DAE

v. Detailed Marks Certificates (DMC) of SSC or equivalent examination.

vi. Domicile Certificate

vii. Hafiz-e-Quran Certificate (if applicable) from a recognized institution/Wafaqul Madaris.

viii. Good Character Certificate from the institute most recently attended by the candidate.

xi. Computerized National Identity Card or Children Registration Certificate (CRC) of the candidate (Attested Photocopy).

x. Computerized National Identity Card of the applicant's father/mother/guardian (Attested Photocopy).

xi. Undertaking (on prescribed proforma) on a non-judicial stamp paper worth Rs.100/- attested by the Oath Commissioner for (a) non-indulgence in politics in the university, (b) a declaration to the effect that he/she would abide by the rules and regulations of the University and obey instructions issued to him/her from time to time by the University Authorities, Petitions against decisions of the University Authorities shall be heard in Peshawar High Court, KPK. The undertaking must be signed by the candidate and countersigned by his/her father or guardian (as the case may be).

xii. (I) For in-service candidates, a permission letter and evidence of leave for the study period from their employer.

The original documents of candidates shall be retained by the department concerned and shall be returned at the time of leaving the University. Documents once submitted with the application form cannot be changed and shall be considered as final. The University will accept all required documents of admitted students duly verified by the concerned Boards/Institutions.

a. Subsequent to the completion of the first merit list of the admission process, adjustment of seats will be carried out, and provisionally admitted students will be allotted disciplines of their higher preferences /choices strictly on merit subject to the availability of vacant seats.

b. A candidate who does not want to change the discipline in which he/she got admission, must lock his/her seat in the current discipline at the time of admission interview.

c. Subsequently revised merit lists will be displayed on the Admission Notice

Board/University website. No separate notice will be issued in this regard. Applicants will be responsible to check the admission notice board/University website and complete their admission formalities by the last date, failing which the seat will fall vacant. In case a candidate does not appear for admission interview as per the admission schedule his/her name shall be removed from the merit lists.

d. The Admission Committee will recommend names of provisionally admitted candidates to the Vice-Chancellor for approval. Admission of candidates will be confirmed after the completion of the admission procedure.

e. The admission process shall be completed before the commencement of the classes. Admissions against the reserved/quota seats will be confirmed upon receiving nominations from the concerned agencies.

f. Disciplines allotted to candidates at the end of the admission process shall be final and shall not be changed. Further, no change of Discipline shall be allowed on a mutual basis.

The Vice-Chancellor on the recommendation of the Admission Committee may allow late admission depending upon the availability of seats.

Note: In case of late admissions, it will be the sole responsibility of the students to fulfil their academic responsibilities.

g. Within 60 days of the last date of admission, particulars of candidates (on the prescribed form along with the recommendations of the Admission Committee) shall be forwarded by the Directorate of Admissions to the Vice-chancellor for approval. After approval of the Vice-Chancellor, the names of the candidates shall be entered in the University Students' Register and student identity cards shall be issued to them in token thereof.

h. A bona-fide student of the University who joins any other Department/Intuition or Academy for the purpose of study shall be liable for immediate cancellation of his/her admission.

i. Changes made in rules or regulations after printing this prospectus shall be deemed to be part of the prospectus.

j. Petitions against decisions of the Admission Committee shall be heard in Peshawar High Court, Peshawar.

Note: Applicants are themselves responsible for checking admission Notice Boards/Website of the University for merit lists and for completing admission formalities within specified time. The University shall not be bound to entertain/accept online application or give admission after deadline. A call/offer letter wrongly issued to a candidate as a result of some inadvertent mistake on the part of the University shall not confer any right of admission to the candidate.

5 ENTRANCE TEST

The Entrance Test for Engineering programs will be conducted by the Educational Testing and Evaluation Agency (ETEA), Government of Khyber Pakhtunkhwa or Authorized testing Agency nominated/mentioned by PEC.

1.1 (a) Candidates belonging to Khyber Pakhtunkhwa/Erstwhile FATA/AJK/Northern Areas are eligible to appear in the Entrance Test or authorized Testing Agency mentioned by PEC

(b) Candidates who have appeared in Part-II of the Intermediate (Pre-Engineering/Computer Science) examination and DAE and are awaiting results, are eligible to appear for the entrance test.

Candidates with the subject of Computer Science and intend to apply for admission in Engineering programs, may take the entrance test in Computer Science as a subject instead of Chemistry.

c) The passing score in the ETEA test for admission to engineering programs for the Fall 2025-2026 session will be determined as per Pakistan Engineering Council (PEC) policy.

d) The ETEA will conduct two tests to accommodate many students in Engineering programs for the Session Fall 2025-26

6 DETERMINATION OF MERIT

6.1 **Merit of candidates against open, rationalized, self-finance and reserved seats will be determined according to the following criteria:**

(a) Engineering Programs

(i) 10% weightage to Percent marks in SSC Examination

(ii) 50% weightage to Percent marks in Intermediate/DAE or equivalent examination (adjusted marks)

(iii) 40% weightage to Percent marks in Entrance Test

(b) Non-Engineering Programs

(i) 30% weightage to Percent marks in SSC Examination

(ii) 70% weightage to Percent marks in Intermediate/DAE or equivalent examination (adjusted marks)

Note:

i. **In case F.Sc Part 2 result is not declared at the time of merit calculation, percentage marks of F.sc Part 1 or average percentage marks of first two years of DAE shall be considered in the merit calculation.**

ii.. *Candidates must lock or unlock his/her seat in a particular discipline at the time of admission interview. Disciplines allotted to candidates at the end of the admission process shall be final and shall not be changed.*

6.2 **To determine merit, total marks obtained by a candidate in Intermediate Examination shall be adjusted in the manner given below:**

(a) For each additional attempt to pass or to improve the Intermediate examination (Part-I & Part-II, and also Part-III for DAE), candidates will lose 10 marks. However, in any case, the total deduction of marks under this clause shall not exceed 20.

(b) Candidates taking Mathematics as an additional subject shall also lose 10 marks.

(c) If a candidate is Hafiz-e-Quran, he/she will get additional marks out of twenty, provided that he/she has a valid certificate from Wifaqul Madaris (or any other HEC-recognized board) and qualify the test conducted by the Hafiz-e-Quran Evaluation Committee on the date and time notified for the purpose. The composition of the committee will be as under:

- Convener Admission Committee (Convener)
- A Hafiz-e-Quran certified by a recognized Board/ Wifaqul Madaris (Member)
- A college/University teacher teaching the course Islamic Studies (Member)

6.3 In case of a tie in any merit position for admission, the marks obtained in the Intermediate/DAE/equivalent examination shall over-ride. In case of further tie, the applicants with higher SSC marks shall get preference. In case of a further tie, the age of the applicants shall be the criteria and the older candidate shall get preference.

EXAMPLE (ENGINEERING)

$Percent\ marks\ in\ SSC$: $PSS = (827/1100) \times 100 = 75.20$

$Percent\ marks\ in\ FSc\ (Adjusted)$: $PFS = ((1050 - 10)/1200) \times 100 = 86.66$
(-10 for Additional Maths or Improvement attempt as given in 6.2 b)

$Percent\ marks\ in\ ETEA$: $PET = 75/100 * 100 = 75$

$$Cumulative\ Score = PSS * 0.1 + PFS * 0.5 + PET * 0.4$$
$$= 75.20 * 0.1 + 86.66 * 0.5 + 75 * 0.4$$
$$= 7.52 + 43.33 + 30 = 80.85$$

EXAMPLE (NON-ENGINEERING):

$Percent\ marks\ in\ SSC$: $PSS = (827/1100) \times 100 = 75.20$

$Percent\ marks\ in\ FSc\ (Adjusted)$: $PFS = ((1050 - 10)/1200) \times 100 = 86.66$
(-10 for Additional Maths or Improvement attempt as given in 6.2 a)

$$Cumulative\ Score = PSS * 0.3 + PFS * 0.7$$
$$= 75.20 * 0.3 + 86.66 * 0.7$$
$$= 22.56 + 60.66 = 83.22$$

Note: *In case Candidates have not confirmed seats in the first merit list, their names shall be deleted automatically from the University's next/subsequent merit list*

7 ADMISSION OF FOREIGN NATIONALS

7.1. Foreign applicants seeking admission should send their applications to the Ministry of Economic Affairs, Government of Pakistan, Islamabad. The application must be accompanied by a certificate from an appropriate authority of the applicant's country to the effect that the applicant is a bona-fide citizen of that country and is financially sound to meet the expenditure on his/her studies.

7.2. Foreign applicants shall be required to join the University within 15 days from the commencement of classes, failing which their nominations shall be cancelled. In case of genuine reasons, the extension may be allowed by the Vice-Chancellor on the recommendation of the Admission Committee.

7.3. The Ministry of Foreign Affairs, Government of Pakistan or Higher Education Commission (HEC), Islamabad, shall issue Foreign Students Identity Cards to the admitted foreign nationals which shall be returned by the students after completion of their studies.

7.4. Candidates possessing Tourist/Invalid Visas are ineligible for admission.

7.5. Afghan Refugees, registered in Pakistan with NADRA, nominated by the Government of Pakistan, Higher Education Commission, Islamabad against the program, must fulfil the eligibility conditions of at least 60% unadjusted marks in Intermediate (Pre-Engineering) or equivalent examination and at least 50% unadjusted marks for BS Computer Science programs or equivalent.

7.6. Foreign students must have stayed and studied abroad physically and have passed Higher Secondary School Certificate (HSSC) or equivalent examination with at least 60% aggregate marks in the subject of English, Physics, Chemistry, and Mathematics. There shall be no exception to this requirement.

7.7. Foreign students seeking admission in BSc. Engineering is required to pass SAT-I and SAT-II (Physics, Chemistry, Mathematics) with a minimum score of 50%.

7.8. If any of the particulars given by the foreign student in his/her application form for admission are found incorrect or facts suppressed, his/her admission will be cancelled.

8 ADMISSION BY MIGRATION

A student desiring to migrate to UET Mardan should submit an application for migration, within 15 days of the commencement of a semester, to the Dean, Faculty of Engineering and Computing along with a fee receipt of Rs. 200,000/- (Rupees Two hundred thousand only) as migration fee in favor of the Treasurer, UET Mardan.

8.1 The admission by migration shall be governed by the following:

a. Admission by migration is allowed only in the same discipline.

a. The applicant is a bona-fide student of an HEC-recognized public sector institution and studying in a program/discipline accredited by the relevant accreditation body of Pakistan.

b. The applicant shall produce a No Objection Certificate (NOC) from the University/College/Institution, where he/she has been studying. The NOC must include the statement that the student has not been debarred from taking the University examination, nor has been expelled, or rusticated from the institution from which he/she intends to migrate and that no disciplinary action has been taken or pending against him/her.

c. The applicant must also submit an up-to-date official interim transcript, content of the courses studied, duly certified by the Chairman/Head of the Department.

d. In case of migration to the engineering programs, the student must

also submit a certificate by the Chairman/Head of the Department showing the Program Learning Outcomes (PLOs) attainment progress of the student.

e. Maximum up to 50% of the total credit hours can be transferred.

f. Migration shall be allowed only in the 3rd, 4th, and 5th semesters of BSc. Engineering and BS Computer Science.

8.2 Dean, Faculty of Engineering and Computing will refer the application for initial scrutiny to the Chairman of the concerned department. After scrutiny, the Chairman will return the application to the Dean and may also recommend to repeat courses in which the candidate has been found deficient.

8.3 The Admission Committee may recommend the acceptance of the applicant based on the availability of seats in the department, physical facilities, and feedback received from the Chairman of the concerned Department. The Vice-Chancellor, on the recommendation of the Admission Committee, will approve the migration of the student.

8.4 The Candidates domiciled in Khyber Pakhtunkhwa/Erstwhile FATA shall be given preference.

8.5 In case of more applications for migration than the available seats in a department in a particular semester, preference will be given to the applicants having higher CGPA.

8.6 Applicant for migration to a particular semester must have already studied and passed all courses equivalent to the courses taught in earlier semesters at this University with a minimum CGPA of 2.00.

8.7 The candidate should satisfy the minimum merit of that batch for which the student seeks migration.

8.8 Migration of a candidate domiciled in Khyber Pakhtunkhwa/Erstwhile FATA admitted in any Engineering University /College on the quota basis may be considered for migration against available relevant Quota seats only. Further, the candidate must also have to produce No Objection Certificate from the relevant nominating agency.

8.9 No migration is allowed on "mutual" basis.

9 CANCELLATION OF ADMISSION

9.1 A bona-fide student of the University may apply in person, or through parents/ guardians for cancellation of admission on a non-judicial stamp paper worth Rs.100/- duly attested by an Oath Commissioner. The Chairman of the concerned department shall cancel the admission of the student and notify the same.

9.2 In case, the admission in 1st-semester is cancelled due to any reason, the rules regarding university fee/dues chargeable/refundable mentioned in the fee section of the prospectus **2025-26** will be applicable. If admission in other semesters is cancelled then all outstanding dues/fee, etc. to date must be paid.

10 ADMISSION IN SECOND DISCIPLINE OF BSC. ENGINEERING

10.1 Candidates seeking admission in the second discipline should have passed their first discipline by obtaining a minimum CGPA of 2.5 from any PEC-accredited program from HEC recognized University/Institute. However, they will be required to clear those subjects of BSc. Engineering which they have not studied the in first discipline.

10.2 Candidates seeking admission in the second discipline should submit the application form along with educational documents (including an attested copy of the BSc. Engineering degree and transcript) to the Directorate of Admissions on or before the last date announced.

10.3 Candidates should register for courses rather than semesters within the course/semester registration deadline specified in the academic calendar.

10.4 Admission shall be granted within 15 days of the commencement of the first semester of the second discipline. However, they will get credit for the common courses already studied in the first discipline.

10.5 Candidates possessing domicile other than Khyber Pakhtunkhwa/FATA and those from foreign countries may be considered for admission in the second branch of BSc. Engineering. However, candidates from foreign countries will be required to

produce NOC from their respective embassies and the Government of Pakistan, Ministry of Finance & Economic Affairs, Islamabad.

10.6 Each Department may admit a total of 7 candidates in second-degree courses. Admission for candidates who have domicile other than Khyber Pakhtunkhwa/Erstwhile FATA, and candidates from foreign countries, shall be limited to two in each department.

10.7 Tuition fee/other user charges shall be charged as under:

(a) Candidates possessing Khyber Pakhtunkhwa/ Erstwhile FATA domicile shall be charged a sum of Rs. 18,000/- (Rupees eighteen thousand) per semester at the time of registration, in addition to the normal tuition fee & user charges.

(b) Candidates having domicile other than Khyber Pakhtunkhwa/ Erstwhile FATA, and Foreign students shall be charged a sum of Rs. 500,000 (Rupees five hundred thousand) in lump sum at the time of admission, in addition to the normal tuition fee/user charges.

10.8 Candidates for the second-degree program may opt to register for any subject in which they are exempted for having passed it during their first-degree program. Previous results of the subjects shall become invalid, once they opt to re-sit in the same.

11 LIST OF RELEVANT DIPLOMAS OF ASSOCIATE ENGINEER (DAES) FOR VARIOUS PROGRAMS:

Table 2: Programs Available at UET Mardan and relevant DAEs*

S. No.	Program	Eligible Diplomas
1	Computer Software Engineering	Diploma in Software Technology, Diploma in Computer Technology Diploma in Computer Information Technology Diploma in Telecommunication Technology Automation Computer Electronics Instrumentation Instrumentation & Process Control Radar Radio
2	Electrical Engineering	Diploma in Electrical Technology Diploma in Electronics Technology Diploma in Instrumentation Technology Diploma in Precision Mechanical & Instruments Technology Diploma in Instrumentation & Process Control Technology Automation, Avionics, computer/CIT, Information, Mechatronics, precision Mechanical & Instrument, Radar, , Telecommunication
3	Telecommunications Engineering	Diploma in Telecommunication Technology Diploma in Electronics Technology Diploma in Avionics Technology Diploma in Instrumentation Technology Diploma in Radar Technology Diploma in Radio Technology
4	Mechanical Engineering	Diploma in Precision Mechanical and Instrument Technology Diploma in Mechanical Technology Diploma in Mechanical Technology(Power) Diploma in Mechanical Technology (Production) Diploma in Auto and Diesel Technology Diploma in Automation technology Diploma in Biomedical Technology Diploma in Refrigeration and Air Conditioning
5	Computer Science	Diploma in Automation Diploma in Avionics Diploma in Computer Diploma in Computer Hardware Diploma in ICT Diploma in Computer Hardware Tech Diploma in Computer Software Diploma in Computer Information Diploma in Computer Information Technology Diploma in Electrical Diploma in Electrical Technology Diploma in Electronics Diploma in Information Diploma in Mechatronics Diploma in Information Technology Diploma in Software Diploma in Telecommunication

S. No.	Program	Eligible Diplomas
6	Civil Engineering	Diploma of Associate Engineering Civil Technology Architecture, Civil with any specialization, Environmental, Land & Mine Surveying

12 MIGRATION TO OTHER ENGINEERING UNIVERSITIES/COLLEGES

12.1 A student may be allowed to migrate to other Universities/institutions after obtaining a No Objection Certificate (NOC) from the Office of Dean, Faculty of Engineering and Computing on the recommendation of the concerned Chairman of the department.

12.2 NOC shall not be issued unless the student has cleared all the University dues.

12.3 Migration certificate shall be issued after the cancellation of admission in the department in which the student is studying.

12.4 No migration certificate shall be issued to a student who has been debarred from taking a university examination or has been expelled or rusticated, so long as the punishment remains enforced.

13 SPECIAL PROVISIONS

13.1 In all cases where these regulations are silent, the decision of the Vice-Chancellor shall be final.

13.2 This prospectus applies to all undergraduate students admitted during the session **2025-26**. Any subsequent change/alteration in the rules made by the competent authority shall also be applicable.

13.3 The University authorities reserve the right to make any changes in the existing statutes, regulations, rules, fee structure, allocation of seats, and course of study that may be considered necessary at any time without prior notice.

13.4 No student is allowed to maintain simultaneous enrolment in any other program of studies in other educational institutions. In case a student enrolled in this University is found to be a regular student of some other institution, his/her admission to this University shall be cancelled.

13.5 **If any of the particulars given by the candidate in his/her application for admission is found incorrect or facts suppressed, his/her admission application shall be cancelled. If any incorrect or false statement or suppression of facts is detected after a candidate has been granted admission, his/her admission shall be cancelled, and he/she shall be liable to any other disciplinary or legal action, which the University may deem fit. A student shall be expelled from the University at any time during the course of his/her studies if for any reason it is found that he/she was not entitled to admission to this University. A student expelled under this clause shall not be eligible to seek admission again to this university. Moreover, all the fee, funds, and other charges deposited by him/her shall be forfeited in favor of the University. Further, no show-cause notice shall be issued in this regard. The decision of the university in this regard shall not be challenged in any court.**

13.6 A student will cease to be a regular student as soon as his/her final semester examination is concluded. Such a student shall not be entitled to privileges reserved for regular students.

13.7 The University makes all possible efforts for the safety of the students. However, the University shall not be responsible in the event of any injury, damages, or loss to a student resulting from any cause, whatsoever, during the course of study.

13.8 Students are required to know the rules and regulations mentioned in this prospectus and notified from time to time. Ignorance of rules and regulations does not absolve them of their responsibilities.

13.9 Interpretation of these rules and regulations by authorized officers of the University shall be final.

ACADEMICS

& Exam Rules

1 BACHELOR DEGREES OFFERED

Bachelor degrees in the following disciplines are offered by the UET Mardan:

- Civil Engineering
- Computer Science
- Computer Software Engineering
- Electrical Engineering
- English
- Mechanical Engineering
- Telecommunication Engineering

2 MEDIUM OF INSTRUCTION

The medium of instruction and examinations will be English except in Islamic Studies and Pakistan Studies, where the options of English and Urdu shall be available.

3 ACADEMIC CALENDAR

Academic year comprises of two semesters: Fall and Spring. The duration of each semester is eighteen (18) weeks, where 9th and 18th weeks are reserved for Midterm and Final term examinations, respectively, and the remaining sixteen weeks are reserved for teaching. The number of weeks may be adjusted by the University provided the duration of teaching as defined above is not reduced.

The Dean, Faculty of Engineering and Computing will issue a calendar for the academic year before the beginning of Fall semester every year. The calendar will include dates of registration, classes, holidays, and examinations etc. The calendar may be revised during the academic year as and when required due to unavoidable circumstances.

4 DURATION OF STUDIES

The minimum duration of studies for completing bachelor degrees shall be eight semesters (4 years) for Engineering, Computer Science and English Programs, while the maximum duration of studies will be as per the duration specified by relevant accreditation bodies, i.e., PEC/NCEAC.

5 SCHEME OF STUDIES

5.1 General

Course work for earning the bachelor degree in engineering and computer sciences comprise of Theory Courses, Laboratory Courses, and Final Year Project whereas the course work for earning BS English degree comprises of theory courses only. Each course offered at the university is allocated certain credit hours, which is a measure of the amount of work required for the course. For Theory courses, each credit hour means one hour of lecture per week, while for lab courses each credit hour means three hours of practical work per week.

The students of engineering and computing programs must register and carry out Final Year Projects (FYP) in the last two semesters (7th and 8th) of their study along with studying courses. The FYP comprises of three credit hours (9 contact hours per week) in each of the last two semesters. Grade "IP" is awarded for FYP in the 7th semester, which is converted to an appropriate letter grade at the end of last semester, based on student's performance in both semesters.

5.2 Curricula

Coursework shall be spread over credit hours, as specified in the Scheme of Studies of each program given in the Undergraduate Prospectus on pages of the relevant Department. For information related to course outline, consult the concerned department for approved curriculum.

6 DEGREE REQUIREMENTS

To earn a bachelor's degree, a student must:

- Pass all the courses mentioned in the relevant Scheme of Studies.
- Obtain a Cumulative Grade Point Average (CGPA) of at least 2.0.
- Complete 6-8 weeks of relevant practical training/internship in a recognized government, semi-government, or private organization (not applicable to BS English).

(a) Practical Training/internship may be carried out during summer vacations of 2nd or 3rd academic years or after the completion of the course of studies. On completion of the training, the concerned organization shall send a report to the Chairman of the department on the prescribed proforma, stating the nature of work and that the work has been satisfactorily completed by the student concerned.

:

- Complete the Survey Camp (for Civil Engineering students only) conducted by the university (to be certified by the Chairman, Department of Civil Engineering/In-charge Survey Camp).

- Complete and pass the Quranic Studies Course. The assessment shall be graded and reflected in the transcripts of students. The Quranic Studies course shall be non-credit. However, non-Muslim students who are not willing to take the course shall be engaged in other social activities, such as plantation, blood-donation, and anti-drug activities, etc. as per guidance and supervision of the Director Clubs/Director Quranic Studies.

  - Complete the Quranic Studies. For this purpose, an extra three contact hours shall be added to the timetable of each semester. Schedule of the Quranic studies shall be as given below.

Semester	Course Code	Course Title	Paras covered
1st	QS-101	Quranic Studies - 1	1-3
2nd	QS-102	Quranic Studies - 2	4-7
3rd	QS-201	Quranic Studies - 3	8-11
4th	QS-202	Quranic Studies - 4	12-15
5th	QS-301	Quranic Studies - 5	16-19
6th	QS-302	Quranic Studies - 6	20-23
7th	QS-401	Quranic Studies - 7	24-27
8th	QS-402	Quranic Studies - 8	28-30

7 REGISTRATION

7.1 General

Before the beginning of classes in each Semester, the Departments will announce the courses o□ered and will arrange Semester Registration for the students. Students are required to register for relevant semester within the due date specified in the Academic Calendar by filling the prescribed registration form and depositing the amount payable within the last date announced for the purpose.

Semester Registration forms will be checked by the concerned batch advisors. Forms with deficiency will be returned to students for correction. Registration Forms, complete in all respects, will be kept in the student's record at the department and lists of registered students will be forwarded to the Controller of Examination.

The students must register for successive semesters in order and shall not be allowed to register for a semester without having studied the preceding semesters except as noted in section 7.2 (b).

A student who fails to register in a particular semester shall not be eligible for registration in the next higher semester. A student who obtains Fail (F) grade in all subjects in a semester shall not be promoted.

7.2 Registration in the First Semester

The Directorate of Admissions will forward a list of newly enrolled students to each department before the beginning of classes. The departments will arrange registration for the first semester and assign Class Numbers to the students. Students are required to submit their Migration Certificates from the concerned Board by the date notified by the department.

Subsequently, the department will forward names of the enrolled students along with their Migration Certificates to the Controller of Examinations for allotting University Registration Number.

If nominations from the concerned agencies are received late, in such cases the students admitted under quota seats shall:

(a) Register for the first semester within 7-days of receiving nominations from the concerned agencies.

(b) In case, nominations are received after the midterm examination, the student has to freeze his/her first semester by submitting semester fee, annual charges, etc. along with semester freeze fee. The student shall register in the second semester and pass first semester courses whenever offered by submitting the re-registration fee.

(c) Late admitted students may be assigned W grades in the first semester. The above-mentioned grades of the first semester will be included in consecutive semesters accordingly.

7.3 Re-registration

(a) A student receiving F or W grade in any course shall be required to re-register in that course. A student receiving less than or equal to C+ grade in a course may also re-register in that course, to improve his/her grade subject to a maximum of one chance.

(b) A department may offer Courses (over and above the regular semester courses) during a regular semester, subject to availability of resources, in order to facilitate re-registering students. However, minimum number of students re-registering must be 10; otherwise, the course shall be dropped.

(c) During a regular semester (Spring/Fall) a student may re-register for repeated courses in addition to the regular semester courses, provided that the total credit hours registered must not exceed 21 (the maximum allowed credit hours for a semester by HEC).

(d) If a course is abolished due to revision in curriculum:

(i) The Chairman of the Department may recommend a relevant course from existing curriculum as a replacement for the candidates who need to re-register in the abolished course. The same shall be reflected in the student's Registration Form and Transcript.

(ii) However, if no relevant/equivalent course is available in the existing curriculum, the student may be allowed to re-register the abolished course in any other department of UET Mardan, when offered.

(iii) If an equivalent course does not exist, or is not offered by any department of UET Mardan, then the department may offer the abolished course subject to the availability of resources. However, this rule is only applicable in the following cases:

- The student received 'F' or 'W' grade in the abolished course
- His/her CGPA is less than 2.00 and he/she has no chance to improve it in other course of existing curriculum.

(e) If a student submits re-registration fee for a course and, for some reason, that course is not offered by the university, the student will be eligible for one of the following:

(i) The submitted re-registration fee is refunded.

(ii) The submitted re-registration amount is adjusted against other semester dues.

7.4 Summer Semester (Optional)

Summer Semester is not part of regular Academic Calendar. However, if the University offers course(s) in Summer Semester subject to availability of resources, it will be notified after Spring Semester with the approval of the competent authority. A student can register for courses whose total credit hours shall not exceed the maximum credit hours prescribed by HEC during Summer semester. The minimum number of students required for offering a course in the Summer Semester is 10.

8 INTERRUPTION OF STUDIES

A. Semester Freeze

(i) A student can freeze a semester by submitting an application along with semester freeze fee within the semester registration deadline specified in the University Academic Calendar.

(ii) A candidate who freezes a semester can resume his/her studies (with the upcoming session) from the same stage where s/he left (froze). The maximum duration of the degree program (specified by the relevant accreditation body) which includes the freeze semester(s) duration shall remain the same.

(i) Freezing of first semester is not allowed. However, students admitted against the quota seats through relevant agencies after midterm examination can freeze their first semester only.

(ii) The duration of Freezing is one year except for the students who froze their first semester due to late admission by nominating agencies.

A. Other Reasons

(i) If a student withdraws all his/her courses of a semester for a valid reason, he/she will not be allowed to register for the next higher semester, rather he/she has to register for the same semester (which has been withdrawn) in the next academic year. There is only one chance of withdrawing from all courses of a semester.

(ii) If a student fails to register a semester without freezing or withdrawing from all courses, his/her name will be struck off from rolls of the University.

09 ATTENDANCE REQUIREMENTS

9.1 Attendance in classes is mandatory and students are required to attend all classes. Under special circumstances, up to 25% shortage of attendance may be allowed.

9.2 In no circumstances shall a student be allowed to appear in the final examination of a course, if his / her attendance falls below 75% in that course.

9.3 If a student fails to attend any lecture for consecutive four weeks, the student will be placed on attendance probation and concerned Chairman will issue a letter to the student (a copy of which will be sent to parents/guardian of the student) to report within two weeks, failing which admission of the student shall stand cancelled automatically without any notification

10 EXAMINATION

a. Paper Setting

The examination paper for mid-term and final-term exams will be set by the subject teacher and submitted to the Chairman. The Chairman will check the paper for course coverage and appropriate depth and, when satisfied, forward the paper to the Controller of Examinations. Otherwise, the Chairman will refer the paper back to the teacher for revision. There will be no choice of questions in the examinations.

b. Conduct of Examination

(a) The Controller of Examinations will arrange the mid-term and final-term examinations, including preparation of date sheet, appointment of the invigilation staff etc. Each examination hall will be supervised by a Superintendent, who will be a senior teacher of the same department, and other staff, who may be from the same or other departments.

(b) Students shall not be allowed to sit in the University examination if they have outstanding dues.

c. Marking of Papers

(a) After marking the mid-term exam papers, the teacher will display the result, and discuss the paper/answer sheets with the students to give them feedback on their performance.

(b) After marking the final term exams, subject teachers will prepare result as per university policy and submit it to the Semester Coordinator/OBE Coordinator within the time allotted for the purpose.

d. Re-Checking

Students may apply to the Chairman of the concerned Department for re-checking of their final term papers (theory only) within the dates announced for the purpose.

e. Examination of Affiliated Colleges

(a) The procedure for preparation of papers for midterm and final term examinations for affiliated colleges shall be as following:

(i) The subject teacher of the university and that of affiliated college shall submit two papers each to the Chairman at least one week prior to the commencement of the exams.

(ii) The Chairman shall select a paper and forward to the controller of examinations.

(iv) There shall be no choice of questions in the paper.

(v) The checking of the scripts will be carried out by the subject teacher of the University.

(x) Grades shall be awarded as per policy of the University as described in Section 10 (b) .

(b) Invigilation of the midterm and final term examinations shall be conducted as per following procedure:

(i) The university shall supervise the midterm and final term examinations of the affiliated colleges.

(ii) The Superintendent of the examination centre shall be the faculty member of the University. Other invigilation and supporting staff shall be appointed by the Controller of Examinations of the UET Mardan in consultation with the affiliated colleges.

(c) The Affiliated Colleges shall maintain course folders, as per checklist/requirement of the accreditation council which shall be checked by the Course Folder Checking Committee to be constituted by the Chairman of the concerned department of the University.

(iii) The answer sheets of only midterm examination shall be collected by the affiliated colleges after evaluation by the university teacher. The same shall be returned by the affiliated colleges to the concerned departments of the university at the end of the semester. The answer sheets of both mid-term and final term examinations shall be kept by the Examination Section of UET for record purpose for a period of two semesters after the final term examination of the same subject.

(iv) The committee constituted by the Vice Chancellor of the UET for checking the ongoing progress of the system in the classrooms of the University will also pay surprise visits to the classrooms of the affiliated colleges.

(v) The senior most Dean, UET may propose any other appropriate measures to improve the quality of education in affiliated colleges from time to time.

11 GRADING

11.1 Distribution of Marks

(a) Theory Courses

The distribution of marks for theory courses shall be as follows:

S. No.	Assessment Method	Percentage	Assessment Detail
1	Sessional	25	Includes assignments, oral tests, quizzes, mini-projects class presentations, etc.
2	Mid-Term Examination	25	1.5 hours' duration, arranged in week 9 of semester
3	Final-Term Examination	50	2 hours' duration arranged in week 18 of semester

(b) Lab Course

The distribution of marks for laboratory courses shall be as follows:

S. No	Assessment Method	Percentage	Assessment Mechanism
1	Sessional Marks	50	▪ To be assessed through lab work, lab tasks, assignments, quizzes, presentations, open-ended lab, design projects, complex engineering activity, etc. ▪ Marks will be awarded by the instructor.
2	Practical Examination	25	▪ To be jointly assessed by the instructor and external examiner through practical tasks at the end of the semester (before viva-voce). ▪ The instructor and external examiner each grant marks out of 12.5.

S. No	Assessment Method	Percentage	Assessment Mechanism
3	Oral Examination (Viva Voce)	25	▪ To be jointly assessed by the instructor and external through viva-voce (oral examination) at the end of the semester. ▪ The instructor and external examiner each grant marks out of 12.5.

(a) Final Year Project

(i) The capstone/Final year design project should span over two consecutive semesters, i.e., Semester 7 and 8, totaling 6-credit hours. The Final Year Project will be carried out by students in groups and will be marked as follows:

S.No	Presentation	Evaluators	Percentage	Milestone
1.	Proposal Defence (PD) • Project Proposal Document + Presentation	• FYP Committee*	10%	As per Rubrics
2.	Progress Presentation (1st)	• FYP Committee	10%	
3.	Progress Presentation (2nd)	• FYP Committee	10%	
4.	Weekly Progress Meetings	• Supervisor	20%	
5.	Open House/Poster Exhibition	• FYP Committee and Members from Industry	10%	
6.	Project Defence	• FYP Committee	40%	
	Total		**100 %**	

* FYP Committee:

Chairman	Convener
Concerned Supervisor	Member
One member from Industry	Member
One Faculty member	Member (to be nominated by the Chairman)
FYP Coordinator	Secretary

(i) Grade "IP" (In Progress) is awarded for Project in the 7th semester, which is converted to an appropriate letter grade at the end of 8th semester, based on student's performance in both semesters.

(c) Students may withdraw from one or more courses with the approval of the Chairman of the department within two (2) weeks after the end of mid-term exam week.

(d) Grade "I" (Incomplete) shall be awarded to a student only if he/she has missed the theory or lab final term examination or viva of lab course(s), due to a genuine reason. The award of grade "I" shall not cover a student's lethargic attitude, wilful absence, or bad performance in class.

(e) Grade "I" should be converted into an appropriate letter grade within one year, otherwise the grade will be awarded based on the student's sessional and midterm marks.

(f) A student who is not allowed to appear in the Final Examination of a course due to shortage of attendance shall be awarded zero marks in the Final Examination.

11.2 Award of Grades

(a) General

(i) Grading of student will be through letter grades that indicate the level of performance, as shown below:

Table 1

Grade	Grade Points	Description
A	4.00	Excellent
A-	3.67	
B+	3.33	Above Average
B	3.00	
B-	2.67	
C+	2.33	Average
C	2.00	
C-	1.67	
D+	1.33	Minimum Acceptable
D	1.00	
F	0.00	Fail
W	-	Withdraw
I	-	Incomplete
IP	-	In-Progress

(i) A student who has an outstanding I Grade in a course which is a pre-requisite for any course(s) in the following semester(s) shall not be allowed to register in the respective course(s).

(ii) A student not allowed to appear in the Final Examination of a course due to shortage of attendance or because of outstanding dues shall be deemed to have obtained zero marks

(a) Determining Student Grades

Student Grades in a class shall be determined as below:

(i) Based on the sessional marks, Mid-term and Final-term examination, calculate the actual marks of each student.

(ii) Calculate 'Normalized Marks' for each student by multiplying the actual marks obtained with the factor "100 / Highest marks obtained in the class".

(iii) The grades will be assigned, based on Normalized Marks, as per the table below:

Table 2

S.No.	Normalized Mark Range/Interval	Grade
1	X<50	F
2	50≤X<55	D
3	55≤X<60	D+
4	60≤X<65	C-
5	65≤X<70	C
6	70≤X<75	C+
7	75≤X<80	B-
8	80≤X<85	B
9	85≤X<90	B+
10	90≤X<95	A-
11	95≤X≤100	A

Note: X represents the Normalised Marks of a student

11.3 Grading students in Repeated Courses

A Department may offer Repeated Courses (over and above the regularly scheduled courses) during a regular semester or during the summer session in order to facilitate re-registering students. For grading the students in such courses, their Total Marks will be merged with the Total Marks of the same course when it was last offered as a regularly scheduled course. Then the procedure outlined in section 10.2.2 above will be followed to determine the grades of re-registered students. However, the grades of the old students (of regularly scheduled course) shall not be affected by this procedure.

11.4 Grade Point Averages (GPA)

The Letter Grades awarded to students in a course are assigned Grade Points, as defined in Table 1. The average performance of a student during a particular semester is indicated by the Semester Grade Point Average (SGPA) and the overall performance to date is indicated by Cumulative Grade Point Average (CGPA). These performance indicators are calculated as below.

SGPA = (Sum of quality points of all courses taken in the semester / Total credit hours taken in the semester)

Quality Points (QP) are calculated as follows:

QP=Credit hours of the course*Grade Points Obtained in the course.

Grade points of letter grades are shown in Table 1

CGPA = (Sum of quality points of all courses taken to date/Total Credit hours taken in all courses taken to date)

Where Both SGPA and CGPA shall be rounded off to two decimal places.

In case a course is repeated, all grades obtained in that course shall be reflected in relevant semesters on the transcript, however, only the best grade shall be used to calculate the CGPA.

Note: Grades of non-credit courses, such as Quranic Studies course, shall not be used in the calculation of CGPA.

11.5 SATISFACTORY ACADEMIC PROGRESS

Students must show satisfactory academic progress in order to remain in good standing. The following rules are meant to ensure that students get timely feedback

on their academic progress:

) A student who obtains SGPA of 2.0 or less in any semester shall be issued a written warning by the department chairman. A copy of the warning letter shall also be sent to the parents/guardian.

(ii) A student who obtains SGPA of 2.00 or less for three consecutive regular semesters and his/ her CGPA is less than 2.00, he/she shall not be promoted to the next semester and shall be required to re-register until he/she improves CGPA to the minimum requirement for graduation. A written warning of this possibility will be sent to the student (with a copy to parents/ guardian) if his/her SGPA is less than 2.00 for two consecutive semesters.

(iii) A student whose CGPA by the end of the fourth semester is less than 1.5 shall not be allowed to register for the fifth semester until his/her CGPA has improved to 1.5 or more.

(iv) A student must graduate within the time duration specified by the relevant accreditation council of the program, in order to be eligible for registration with PEC/NCEAC.

Any student of the University, who breaches this requirement due to any reason, whatsoever, shall submit an affidavit to take the responsibility that he/she could not complete his/her degree requirement within stipulated time as required by the relevant accreditation council and university will have no responsibility to this effect.

12 TRANSCRIPTS

(i) The Controller of Examinations shall issue Transcripts (Interim/Final) to students who apply for the purpose. The transcript shall show all courses taken and the grades obtained, along with SGPA of each Semester and the current CGPA.

(ii) I-Grade received by a student shall be replaced by the grade awarded after completion of course requirements.

(iii) The transcripts of students who are admitted by Migration from another institution will show the accepted courses taken at their previous institutions. Their CGPA will be calculated using these courses as well as courses taken at this university. However, a note will be added to their transcript to identify their previous institution and the courses taken at that institution.

12 SPECIAL PROVISIONS

(i) Interpretation of these Academic Rules by the authorized o□ cers of the University shall be final.

(ii) In all cases where these Academic Rules are silent, the decisions of the Vice Chancellor shall be final.

(iii) The University authorities reserve the right to make any change in these Academic Rules at any time without prior notice.


CONDUCT
& Decipline

1 RULES AND REGULATIONS

The University Discipline Committee (UDC), established under the University of Engineering and Technology, Mardan Statutes, shall have the authority and power to deal with, and decide all cases of indiscipline, in accordance with the University Students Conduct and Discipline Rules and Regulations.

2 APPLICABILITY AND COMMENCEMENT

These rules shall be applicable to all students of UET Mardan and shall commence w.e.f. their admission in the university.

3 STUDENTS CODE OF HONOR

Each individual student shall:

3.1 Show loyalty in his/her religious duties and respect the opinions of others in matters of religion, integrity and customs.

3.2 be truly loyal to Pakistan and stay away from doing anything that can reduce its honor and reputation in any way.

3.3 be honest and trustworthy in dealing.

3.4 show respect and care for seniors and show politeness to all, especially to women, children, old people, weak, deformed and the helpless.

3.5 respect their teachers and staff in the University.

3.6 be conscious of cleanliness of body, mind, speech and habits.

3.7 assist his/her colleagues.

3.8 how dedication to studies and extra-curricular activities.

3.9 Protect university, public and government's property.

4 FORBIDDEN AND INDISCIPLINE ACTS

Students should refrain from:

4.1 Smoking within the University premises.

4.2 Using, carrying or facilitating prohibited drugs and drinks within the University Campus or University Hostels or during training, sports or cultural tours, survey camps or entering such places or attending any such tour of camp while under the influence of such intoxicants, or any other University functions outside the Campus.

4.3 Organizing or taking part in any function within the University Campus or hostels or organizing any club or society of students or students' associations, unions and federations, except in accordance with the prescribed rules and regulations.

4.4 Gathering money, receiving funds for, or on behalf of the University, except with the written approval of the Vice-Chancellor.

4.5 Performing, inciting or contributing in any walk-out, strike, or other form of agitation against the University or its teachers or officers, inciting anyone to violence, or disrupting the peaceful atmospheres of the University in any way. Moreover, making of offensive speeches or gestures which may cause hatred shall be avoided. Issuing of pamphlets or cartoons casting criticisms on the teachers or staff of the University or the University bodies, or doing anything in anyway likely to promote rift and hatred among the various groups or castes of student's community. Issuing statements in the press or social media platforms, making false accusations or lowering the prestige of the University or writing and pasting posters on the walls.

4.6 Carrying firearms or any other weapon (of any nature/type) forbidden by law, within the University Campus, classrooms, hostels and offices.

4.7 Violates the lawful instructions of a teacher or other person in authority in the University

4.8 Causing damage to the property of the University or public or a fellow student or any teacher or any employee of the University.

4.9 Using of loud speakers in the University Campus or hostels.

4.10 Not obeying the rules concerning to residence in hostels, or using offensive language, wearing immodest clothes, making indecent remarks or gestures, or behaving in a disorderly manner, or committing any criminal immoral or shameful act (whether committed within the University Campus or outside) or any act which is detrimental to the interest of the University. Doing false representation or giving false information or wilfully suppressing facts, cheating or deceives the University.

4.11 Falsifying, damaging, altering or erasing or otherwise meddling with any document connected with examination, receipt of University fees / dues or making undue use of such documents.

5 PROCEDURE IN CASE OF BREACH OF DISCIPLINE

5.1 Cases of indiscipline shall be reported to the Vice-Chancellor through the concerned head of department/section/proctorial board.

5.2 The Vice-Chancellor may refer the case to the University Discipline Committee (UDC) for necessary action under the Rules/Regulations.

5.3 The UDC may impose, with the approval of Vice-Chancellor, minor/major penalties including fine, suspension, expulsion or rustication of students on the basis of the enquiry conducted in response to violation of rules and regulations of the University.

5.4 The appellate authority for the decisions of UDC shall be the Vice-Chancellor.

6 RUSTICATION AND EXPULSION

6.1 Rustication

(a) Rustication, whenever forced on a University student, shall always mean the loss of one semester or one academic year of the student.

A students rusticated in a semester, for one semester or for one academic year, shall have to repeat that semester upon expiry of the rustication period. However, in case of rustication of one semester, the student can re-register/improve previous semesters courses, if any, in the next semester.

Since the semesters have to be studied in order, a student rusticated for one semester cannot study next semester as well with his batch/session but rather has to repeat/resume that semester with next batch/session, however, such student can re-register/improve course(s) of previous semesters, if any, in the next semester by depositing the re-registration fee.

(b) During the rustication period, the student shall not be allowed to register any course in the University or sit in any examination.

(c) If a student is rusticated in a running semester after 1st week of the commencement of the semester, he must pay semester fee of that semester.

6.2 Expulsion

(a) The expiration period will be counted from the date of the issue of such notice from the University.

(b) Expulsion period can vary.

(c) Name of the expelled student will immediately be removed from the Department's rolls.

(d) A student expelled from a Department may be re-enrolled into that Department after the expiry of the period of expulsion.

(e) Cases of expulsion shall be notified to all Departments and Controller of Examination.

7 GENERAL

7.1 The authority, which has the power to rusticate could also withdraw the same order before the expiry of the period.

7.2 No student shall be rusticated/expelled from the University unless he has been served with the Show Cause notice, and shall be allowed a reasonable time for clarification/reply. However, if a student doesn't show up for the meeting or doesn't reply to the charges framed against him, UDC may take action (s) based on the complaint and statements of other relevant parties.

7.3 When in the view of the Discipline Committee, the rustication or expulsion is not called for in a case referred to it, may impose any other penalty or penalties mentioned in the above Regulations.

8 APPEAL

8.1 An appeal against the decision of the University Discipline Committee (UDC) can be submitted to the Appellate Authority (Vice-Chancellor) within thirty days from the date of the notification of the decision.

8.2 No appeal after 30-days shall be entertained.

8.3 This code of conduct will repeal all previous Regulations relating to Expulsion and Rustication or any other instructions relating to the maintenance of discipline among the students.

9 OFFENCES AND PENALTIES

University authorities can impose the following Penalties for various violations committed:

Table 1: Offences and Penalties

S. No	OFFENSE	PENALTY
1.	Using alcoholic drinks or carrying other intoxicating drugs within the University Campus or University Hostels or during Study Tour or Cultural Tours or Survey Camps, any such tours of any other University or outside the campus under the influence of such intoxicants or disobedience with others, especially females, during tours etc.	Expel from classes for one week or fine not above Rs. 10,000/OR Discharge from the University
2.	Taking part in or organizing any function within the University Campus or hostel or organizing any society of students or student's association, unions or federation, except in accordance with the prescribed rules and regulations.	Strict warning and / or fine not beyond Rs. 20,000/-, AND / OR Expulsion from hostel accommodation, if relevant.
3.	Assembling any money or collecting funds for or on behalf of the University, except with the written permission of the Vice-Chancellor.	All the collected money shall be confiscated in favor of the University. AND/OR fine not exceeding Rs. 10,000/
4.	Forcing fellow students to a walkout from classes or examination halls or organizing, leading or participating in strikes or agitation or violence against the University authorities or members of teaching or administrative staff, or disrupting the classes or any other academic activity of the University being held inside or outside the campus.	Expulsion from the University for one to four semesters/two academic years, depending on the nature and gravity of the crime. AND / OR fine not exceeding Rs. 20,000/-
5.	Using abusive and derogatory language or aspersion remarks in speeches, brochures or posters against the University authorities or members of teaching or administrative staff of the University or substantially manhandling, beating or disgracing the University authorities or members of the teaching or administrative staff of the University or committing an act of moral turpitude against fellow students.	Discharge from the University for one to six semesters/ three years, depending on the nature of the crime. AND / OR fine not exceeding Rs. 30,000/
6.	Participating or conducting a violent attack on the offices of the University authorities, Chairmen, faculty members or other officers/staff of the University.	Permanent expulsion from the University. AND / OR fine not exceeding Rs. 50,000/
7.	Damaging/destroying or attempting to damage/destroy the property (movable or immovable) of the University or University employees or Government or any other Public Organization or stealing or taking away by force any item of university property.	Recovery of the amount equal to the value of the damage caused; and / or fine not exceeding Rs. 20,000/AND / OR Rustication from the University
8.	Bringing, carrying or keeping or firing of arms or any other weapon (of any nature/type) within the University campus or classrooms or hostels or examination halls or offices of the University.	Fine not exceeding Rs. 20,000/- AND / OR Expulsion from the hostel. Expulsion from the University for a maximum period of two semesters / one year.
9.	Using loudspeakers or mega-phones in the University hostels or on the University campus or making provocative speeches or gestures which may cause resentment or doing anything in anyway which is likely to promote rift and hatred among various groups or castes of student communities or issuing statements in the press, making false accusations against the University or University Authorities or members of teaching staff	Fine not exceeding Rs. 20,000/-; expulsion from the hostel. AND / OR Expulsion from the University for maximum period of two semesters / one year
10.	Misbehaving and not cooperating with faculty members, University proctors, Hostel Wardens, and other authorities/staff members.	Fine not exceeding Rs. 20,000/-; expulsion from the hostel. AND / OR Expulsion from the University for maximum period of two semesters / one year.
11.	Forming political wing of any political party, student union, student federation, or associations based on linguistic, ethnical, territorial, religious affiliation, or any other platform.	Fine not less than Rs. 15,000/- with Stern warning AND / OR Rustication / expulsion from University.
12.	Holding "Dars" or "Waaz-o-Naseehat" and collection of funds for political, religious party or group within the campus without permission of the University authorities.	Rustication / expulsion from University. AND / OR fine not exceeding Rs. 30,000/-
13.	Carrying any activity of what-so-ever nature that does not come under the definition of curricular and co-curricular activities that is not allowed and organized by the University authorities.	Rustication / expulsion from University. AND / OR fine not exceeding Rs. 20,000/-

S. No	OFFENSE	PENALTY
14.	The University does not tolerate discrimination or harassment on the basis of gender. When the University becomes aware of gender-based harassment or discrimination, the University will take steps to end the conduct, prevent its recurrence, and address its effects on the individual and community. The University proctorial board is authorized with reviewing and evaluating conduct and harassment processes and outcomes and making recommendations to the University Discipline Committee (UDC) for onward action.	As per recommendations of the UDC

10 STUDENTS' GRIEVANCES REDRESSAL

If a student has grievances against any department/ section/ center/ directorate /office or employee of the University, he/she can submit a complaint to the Director Quality Enhancement Cell (QEC) on prescribed form available at the Directorate of QEC and download section of the University website (www.uetmardan.edu.pk).

11 HARASSMENT POLICY

The university has adopted the harassment policy of the HEC. Some of key sections of the policy are given below.

11.1 PROHIBITED CONDUCT

I. "Sexual harassment" means any unwelcome sexual advance, request for sexual favors or other verbal or written communication or physical conduct of a sexual nature, or sexually demeaning attitudes, where:

(a) Submission to such conduct is made either explicitly or implicitly a term or condition of an individual participation in any activity at the university;

(b) Submission to or rejection of such conduct by an individual is used as a basis for academic or employment decision affecting that individual; or

(c) Such conduct has the purpose or effect of unreasonably interfering with an individual's academic or work performance, or of creating an intimidating, hostile, or offensive educational or working environment.

II. Sexual harassment may be overt or subtle, and can range from visual signals or gestures to verbal abuse to physical contact along with hand or sign language to denote sexual activity, persistent and unwelcome flirting.

III. The following behaviors are specifically prohibited under this policy. This following are meant to provide specificity to the definition provided in clauses (i). However, it is not an exhaustive list, and other behaviors that fall within the scope of the definition above shall also be prohibited.

(a) ***Especially Egregious Non-Consensual Acts***: Acts that would be included in the category of rape. While such situations will be covered under the laws of the country, and law enforcement institutions and the courts will investigate and adjudicate accordingly, the University administration has a special obligation to take preventative measures, offer immediate assistance and take interim measures when required.

(b) ***Non-Consensual Sexual Contact***: Includes sexual contact with another person without consent.

(c) ***Sexual Exploitation:*** Taking of actions that violate the sexual privacy of others or taking sexual advantage of another without their consent. For example, taking pictures, videotaping, viewing or distributing explicit images or sexual information of another person without their consent.

(d) ***Other Pervasive or Severe Behaviors***: It is not necessary that there be actual sexual contact for a behavior to be categorized as sexual harassment. Other unwelcome behaviors are also prohibited if (i) they are based on an individual's sex or gender (ii) are persistent or highly serious and (iii) create an atmosphere which is intimidating or hostile. These include but are not limited to lewd remarks or gestures, highly offensive jokes of a sexual nature, commenting inappropriately about another's body, and stalking.

(e) ***Sex Discrimination***: Adverse treatment of individuals based on their sex or gender rather than on merit. This would include instances such as the singling out (for such adverse treatment as lower salary or grades, or more severe punishment) of person(s) on the basis of sex or gender.

IV. All the actions categorized as sexual harassment when done physically or verbally would also be considered as sexual harassment when done electronically such as through the internet, e- mails, social media, texting, telephone, voicemail etc.

V. All actions of harassment or discrimination may be taken by a person of any gender against a person of the same or another gender, and would be considered by the University if the act qualifies as a prohibited act under the policy.

VI. Sexual harassment is especially offensive when perpetrated by persons in authority, and when submission is made a condition toward any University activity or benefit (for example, when submission is made the basis of the evaluation of an individual).

VII. Sexual harassment will be considered especially egregious when the accused knew or reasonably should have known that the victim was in an impaired or incapacitated state. However, impairment of the accused, such as a result of the use of any illegal substances, shall not diminish their responsibility for harassment under this policy.

12 JURISDICTION

(a) This policy applies to actions by students, faculty, staff, other members of the University community (such as interns, residents etc.), or third parties (such as service providers, visitors etc.), when the misconduct occurs.

(b) On the University property (i.e., on campus) or in its immediate vicinity.

(c) Off the University property, if

(i) The conduct occurs in connection with a university recognized program or activity or

(ii) the conduct may create a hostile environment or pose a safety risk on campus.

(d) Using the university's computing or network resources accessed from an off-campus location, which shall be deemed to have occurred on campus.

13 DESIGNATED RESOURCES

(a) The University shall designate at least two members of the HEI administration (the "**Focal Persons**"), at least one of whom shall be a woman, to offer support and immediate assistance to those who have experienced sexual harassment. Contact information of such individuals shall be easily available, including on the University website.

(b) The University shall also constitute an Inquiry Committee to investigate and adjudicate any allegations of prohibited conduct (the "**Inquiry Committee**") in accordance with the provisions of Section 11.6 below. Those who have experienced sexual harassment may also contact members of the Inquiry Committee for support and advice.

14 COMPLAINTS AND REPORTING

(a) A complaint may be lodged by any person who has experienced sexual harassment as defined in Section 11.1 (Prohibited Conduct) read with Section 11.2 (Jurisdiction) of this policy, with either the Focal Person or with any member of the Sexual Harassment Inquiry Committee.

(b) In cases in which the conduct in question falls within the scope of the 2010 Harassment Act, the affected person shall also have an option to submit a complaint to the Ombudsperson in accordance with the provisions of the 2010 Harassment Act.

(c) In the event that a complainant is reluctant to contact the Focal Persons or any members of the Inquiry Committee, the complainant may contact a colleague, instructor, the employment supervisor, manager, department chair, dean or VC. It will be the responsibility of the individual contacted to report the case to the Inquiry Committee without identifying either the complainant or the alleged offender and to ask for advice on procedure and policy from them to effect solution, if a solution is necessary.

(d) Complainants shall be encouraged to submit complaints promptly, preferably within 3 months but no later than 12 months from the last date of the alleged harassment. An extension of up to 1 year may be granted by the Focal Persons or the Inquiry Committee upon written request stating the reasons for the delay in submitting the complaint.

(e) All members of the University community are encouraged to report any instances of sexual harassment that they may have observed to the Focal Persons or the Inquiry Committee. For the purposes of safeguarding the campus

community, University has an obligation to investigate material violations of this policy even in the event that a formal complaint has not been filed.

(f) As soon as a complaint or report is received by one of the designated resources, it shall be shared by him or her (within a period of 24 hours) with all Focal Persons and members of the Inquiry Committee for further action.

(g) For minor violations, complainants may opt to make an informal complaint to either the Focal Person or the proctorial board and a fine of Rs.5000 is imposed om the spot. The primary objective of informal resolution mechanism is to take preventative action, so that minor violations are detected early and appropriate warning is given to the accused to stop the offending behaviour before it reaches a higher degree of seriousness. If the incident reported through this mechanism constitutes prohibited conduct under Section 11.1 of this policy, the Inquiry Committee shall deal with the complaint accordingly.

15 INTERIM MEASURES AND SPECIAL ARRANGEMENTS

(a) As soon as a complaint or report is received by designated resources or any member of the University administration, depending on the nature and seriousness of the offence, the Focal Persons shall take appropriate steps to provide interim measures that may be requested by the affected persons or as otherwise may be deemed appropriate. If the affected person is not satisfied with the measures taken, he or she may contact any member of the Inquiry Committee for necessary action. Interim measures include but are not limited to:

(b) Adjustment in class or examination schedules, including for the purposes of attending hearings.

(c) Access to counselling services or other appropriate medical assistance.

(d) Change in the work assignments.

(e) Arrangement for any assessments or evaluations to be made by a neutral person.

(f) Adjustment to class schedule, including withdrawal from course or changing the section.

(g) Notifying the campus security officials (or law enforcement in case of serious violations) regarding the violation.

(h) Impositions of a University-wide order designed to prohibit contact or communication between certain persons.

(i) Change of the housing arrangement of certain persons.

(j) Any other measures that may be deemed appropriate.

16 INQUIRY COMMITTEE

(a) The Inquiry Committee shall be responsible for the investigation and adjudication of any complaint received in connection with the violation of this policy.

(b) The Inquiry Committee shall be constituted in the following manner:

(i) The committee shall consist of three members, at least one of whom shall be a woman and one of the members shall be a member of the senior management of the University.

(ii) All members of the committee shall be employees of University and will be appointed by the Vice Chancellor (the "**VC**") after the VC has taken nominations from senior members of the University administration. The VC may co-opt one or more members from outside the University if it is otherwise not possible to designate three members as described above.

(iii) Members of the Committee shall be individuals who are known for being principled, credible, fair, gender-sensitive and have a strong character (someone who will not change their decision due to pressure from friends, colleagues or seniors). They shall have not conflict of interest in particular cases, and shall be impartial and unbiased.

(iv) Members of the Committee shall be appointed for a term of two year (shorter terms may be required occasionally to fill vacancies). No member shall serve for more than two consecutive terms. Former members will be eligible for reappointment after a lapse of two years.

(v) One of the members of the committee shall be appointed as the Chair by the VC, whose duties shall include, but are not limited to: maintaining order during hearings, answering procedural questions, granting or denying adjournments, maintaining proper documentation of the proceedings, which shall constitute the official

record and reporting recommendations of the Committee to the VC. All these duties shall be undertaken in consultation with the Committee members.

(vi) In case a complaint is made against one of the members of the committee, that member shall be replaced by another (impartial member) for that particular case.

(a) The University shall endeavor to provide training to members of the Inquiry Committee in investigation and adjudication of conduct prohibited under this policy.

(b) A University staff member shall be appointed to assist the Inquiry Committee. This work shall include responsibilities such as organizing meetings, acting as a liaison between the committee and the other parties involved, record keeping, making and updating a database to track the processing of complaints, and ensuring appropriate awareness raising about the issue of sexual harassment at the University.

17 INVESTIGATION AND ADJUDICATION

(a) All complaints alleging Sexual Harassment shall be forwarded to the Inquiry Committee within 24 hours of being received by the Focal Persons or any other office of the University.

(b) As soon as is reasonably practicable after receiving a complaint, the Inquiry Committee shall determine whether the alleged conduct in the complaint meets the criteria set forth in Sections 11.1 (Prohibited Conduct) and Section 11.2 (Jurisdiction) of this policy. If it is determined by a majority of the members of the Inquiry Committee that the alleged conduct meets the aforementioned criteria, a formal investigation shall be initiated.

(c) In the absence of a formal complaint, if a serious violation of this policy is reported to the Inquiry Committee, or a series of allegations against the same person are received, the Inquiry Committee may determine by majority vote to initiate proceedings after notifying the VC.

(d) After initiating the investigation, and not later than three days of the receipt of a written complaint, the Inquiry Committee shall:

(i) Communicate to the accused the charges and statement of allegations levelled against him/her, the formal written receipt of which will be given;

(ii) Require the accused within seven days from the day the charge is communicated to him/her to submit a written defence and on his/her failure to do so without reasonable cause, the Committee shall proceed ex parte; and

(iii) Enquire into the charge and may acquire and examine such oral or documentary evidence in support of the charge or in defence of the accused as the Committee may consider necessary (including by summoning potential witnesses) and each party shall be entitled to cross-examine the witnesses against him/her.

(e) The following rules shall be applicable to the hearings conducted by the Inquiry Committee:

(i) All hearings shall be closed hearings.

(ii) The Inquiry Committee will hear statements from the complainant(s) and respondent(s), the witnesses if any (as required) and study any other documents and/or evidence as presented by the relevant parties or collected in the process of conducting inquiry.

(iii) The Inquiry Committee shall have discretion to limit testimony and questioning of witnesses to those matters it considers relevant to the disposition of the case.

(iv) The Chair of the Inquiry Committee shall have the power to compel a witness to attend, and the complainant(s) and/or respondent(s) may request the Chair's aid in this regard.

(v) The complainant and the respondent may at any stage of any of the procedures outlined in this policy be represented and/or accompanied by another person of her/his choice.

(vi) The Committee shall have the right to acquire any relevant piece of evidence to further their understanding of the case and the relevant parties, witnesses and administration are required to provide them with this documentation and/or evidence to facilitate the investigation.

(vii) Objective documentation of the proceedings of the Inquiry Committee shall be maintained where high confidentiality of the records and other such material shall be upheld at all times.

(viii) The respondent shall be allowed to cross question the complainant and witnesses unless the committee decides otherwise.

(ix) If any procedural matter is not dealt with in this policy, the Inquiry Committee may, guided by the principles of fairness, establish any appropriate procedure.

(f) Members of the University community have an obligation to cooperate in an investigation, and refusal to cooperate may result in disciplinary action. There may be circumstances in which the complainant may wish to limit their participation in the proceedings. The complainant shall not be subject to discipline, but the University may be obligated to proceed with the investigation.

(g) Following the formal hearing, the members of the Inquiry Committee shall deliberate and determine the validity of the complaint based on the totality of the circumstances. The presence or absence of evidence cannot always be the sole criteria on which a judgment can be made. The credibility of statements and context must be kept in mind during the deliberations. The committee members will reach a decision unanimously or by a majority after the deliberations. Where the complaint is found to be valid, the Committee will recommend an appropriate penalty.

(h) The Inquiry Committee shall complete the inquiry and recommend its final decision within a period of 30 days. It shall then send its decision to the VC giving its findings in writing by recording reasons thereof (which shall include any note of dissent) for endorsement and action. Recommendation of the Inquiry Committee shall be implemented within seven days.

18 CONFIDENTIALITY

(a) Confidentiality shall be enjoined on the Focal Persons, the Inquiry Committee and all others involved in the process. This does not preclude the reasonable and discreet disclosure of information in order to elicit the facts of the case, or to implement and monitor properly the terms of any decision.

(a) The Focal Persons, members of the Inquiry Committee and their support staff shall be subject to administrative disciplinary action for inappropriate breaches of confidentiality on their part.

(b) All notes and records arising in connection with an investigation shall be maintained in a confidential file at the University.

19 PENALTIES

(a) Cases in which the respondent is a student, the following sanctions may be imposed:

(i) In case of minor violations, the student may be issued a warning or reprimand and/or fine of Rs.5000 is imposed by proctorial board. These shall be considered when adjudicating future violations.

(ii) In case of more serious violations, the following formal sanctions may be imposed: disciplinary probation, withholding of a degree for a period of time, suspension, or expulsion.

(iii) The following additional penalties may be added to any of the penalties listed above: campus service; relocation from campus housing; exclusion of the respondent from a designated portion(s) of University buildings or grounds, or from one or more University-designated activities, (provided such penalty is appropriate to the offence and where the penalty does not prevent the respondent from pursuing her/his studies); attending an educational program; inclusion of the decision in the student's record, except in the case of the first instance of a minor violation (for up to seven years).

(b) In cases in which the respondent is a member of the faculty, researcher or employee/staff of the University, the following sanctions may be imposed (individually or in combination), keeping in view the terms of the applicable employment policies:

(i) Oral or written reprimand.

(ii) Counselling or training.

(iii) Inclusion of the decision in a specified personnel file(s) of the respondent.

(iv) Exclusion of the respondent from a designated portion(s) of the University buildings or grounds, or from one or more designated University activities, where such penalty is appropriate to the offence and where the penalty does not prevent the respondent from carrying out her/his professional duties.

(v) The imposition of a fine.

(vi) Recommendation for suspension of the respondent without pay.

(vii) Recommendation to commence dismissal proceedings.

(viii) Other sanctions, as deemed appropriate, in accordance with the terms of the employment policies.

20 RIGHT OF APPEAL

(a) Both the complainant and the respondent shall have a right to appeal the decision of the Inquiry Committee within a period of 30 days from the date of notification of the decision.

(b) In cases in which the conduct falls within the scope of the 2010 Act, the aggrieved party shall have an option to file an appeal to the Ombudsman in accordance with the provisions of the 2010 Act.

(c) There shall be a three-member appellate body (the "Appellate Body") appointed by the VC that shall include at least one senior member of the University administration (at the level of Dean or equivalent) and at least one of the members of which shall be a woman. No member of the Inquiry Committee shall concurrently be a member of the Appellate Body. In case the complaint had been made against one of the members of the committee, that member shall be replaced by another (impartial member) for that particular case.

(d) Appeal to the Appellate Body against the decision of the Inquiry Committee can be filed on the following grounds:

(i) The alleged conduct does or does not fall within the scope of this policy;

(ii) The Inquiry Committee reached a decision without consideration of material information;

(iii) The imposed penalty is unfair because it is disproportionate or materially different from that imposed for similar misconduct; or

(iv) The adjudication process followed by the Inquiry Committee was procedurally unfair.

(e) In order to reach its decision, the Appellate Body may communicate with the parties, the members of the Inquiry Committee or other members of the University community as it deems fit.

(f) The Appellate Body may, on consideration of the appeal and any other relevant material, confirm, set aside, vary or modify the decision within 30 days in respect of which such appeal is made. The decision shall be communicated to both parties, the Vice-Chancellor, and the Inquiry Committee.

21 MALA FIDE ALLEGATION

(a) False allegations of sexual harassment made out of malice or intent to hurt the reputation of the persons against whom the complaint is filed are to be dealt with as serious offences. Making mala fide allegation of sexual harassment knowing it to be false, whether in a formal or informal context, is a serious offense under this policy.

(b) In the event that the Inquiry Committee determines that a false allegation made in the complaint with mala fide intent, it may recommend appropriate action against the complainant by sending its findings to the VC (by recording reasons thereof and including any note of dissent) for endorsement and action. In cases in which the conduct falls within the scope of the 2010 Act, the Inquiry Committee may recommend the handing over of such cases to the Ombudsperson for taking further action against the complainant who made the false allegation with mala fide intent.

22 PROTECTION AGAINST REPRISAL

(a) HEIs shall not allow reprisal or threats of reprisal against any member of the University community who makes use of this policy (formally or informally). The University shall also prohibit such threats or actions against anyone who participates (e.g., testifies, assists, etc.) in proceedings held under its jurisdiction.

(b) Retaliation or any other action against complainant of sexual harassment is to be taken seriously under the provisions of this policy. All allegations of retaliation would be investigated formally under the purview of this policy, and if substantiated, would result in appropriate disciplinary action.

a. SPECIAL CONSIDERATIONS REGARDING RELATIONSHIPS BETWEEN INDIVIDUALS

(i) In contrast with sexual harassment, personal relationships among consenting adults of the University community that do not breach the social

and cultural norms of the society are, in general, a private matter.

(ii) Under the policy it is highly inappropriate for any member of the community to establish an intimate relationship with a student, subordinate or colleague on whose academic or work performance he or she will be required to make professional judgments. The policy requires that the individual may not involve themselves in such conduct as the professional responsibility for supervision or oversight would be affected in such cases. Relationships with a difference in power and authority can seriously affect the institutional working as well as the credibility of all involved. In particular, intimate or romantic relationships between faculty members and students (whether at the undergraduate or the graduate level) shall be prohibited.

23 PROCTORIAL BOARD CONSTITUTION

The Proctorial board is re-constituted each year by the Honourable Vice Chancellor. The Proctorial board consists of 2 members from each department which is provided by the concerned Head of Department. The honourable Vice chancellor approve the board once in a year. The concerned board is headed by the Chief Proctor. This board is responsible for ensuring the discipline rules and regulations of the university.


FEE
Structure

Table 1

S.No.	Description	Open Merit				Rationalized			Self Finance
		Computer Science (Non-Engineering)	Civil Engineering / Computer Software Engineering	Mechanical Engineering, Telecommunication Engineering, Electrical Engineering	Natural Science & Humanities	Engineering Programs	CAI (Non Engineering)	Computer Science (Non Engineering)	Computer Science (Non Engineering)
A	**Non-Recurring (Payable at the time of Admission only)**								
1	Admission Fee (None Refundable)	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250
2	Students Identity Card Fee	700	700	700	700	700	700	700	700
3	Verification Fee	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650
	Total Non-Recuring (1-3)	**10,600**	**10,600**	**10,600**	**10,600**	**10,600**	**10,600**	**10,600**	**10,600**
B	**Recurring Fee Per Semester**								
1	Survey Camp Charges* (For Civil Engineering only, from 2nd Semester upto 7th Semester		7,000						
2	Tuition Fee	28,000	28,000	28,000	12,000	110,850	80,850	55,000	110,850
3	Examination Fee	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
4	laboratory Fee	5,000	5,000	5,000	-	5,000	5,000	5,000	5,000
5	Book Bank Rent	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900
6	CMS Fee	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
7	Industrial / Study Tour Fee	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800
8	Sports Fee	650	650	650	650	650	650	650	650
9	(Club & Societies Fee	650	650	650	650	650	650	650	650
10	Magazine Fee	650	650	650	650	650	650	650	650
11	Quranic Studies	800	800	800	800	800	800	800	800
12	Endowment Fund	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
13	Electricity Charges	6,300	6,300	6,300	6,300	6,300	6,300	6,300	6,300
	Total Recurring Fee Per Semester (2-13)	**56,550**	**56,550**	**56,550**	**35,550**	**139,400**	**109,400**	**83,550**	**139,400**
	Total Fee for First Semester (A+B)	**67,150**	**67,150**	**67,150**	**46,150**	**150,000**	**120,000**	**94,150**	**150,000**
Installment option:									
	1st installment (at the time of admission to 1st semester)	**38,875**	**38,875**	**38,875**	**28,375**	**80,300**	**65,300**	**52,375**	**80,300**
	2nd installment (before Mid Term examination of Ist semester)	**28,275**	**28,275**	**28,275**	**17,775**	**69,700**	**54,700**	**41,775**	**69,700**
	Total Fee for 1st Semester	**67,150**	**67,150**	**67,150**	**46,150**	**150,000**	**120,000**	**94,150**	**150,000**
	2nd and Onward Semesters Fee								
	Ist Installment (at the time of registration)	**28,275**	**28,275**	**28,275**	**17,775**	**69,700**	**54,700**	**41,775**	**69,700**
	2nd installment (before Mid Term examination)	**28,275**	**28,275**	**28,275**	**17,775**	**69,700**	**54,700**	**41,775**	**69,700**

*Survey Camp Charges will be paid with the recurring fees from 2nd Semester upto 7th Semester for Civil Engineering Students only

Note: In addition to the above, application processing fee @ Rs.2000/- per application will be charged.

1 ADMISSION, TUITION AND MISCELLANEOUS FEE

1.1. Detail of the University fee to be paid by the students admitted to the bachelor's degree courses against open merit, rationalized and self-finance schemes are mentioned in **Table (1).**

1.2 The Non-Recurring fee is charged at the time of admission only while the recurring fee are charged in each semester.

1.3. Late fee of Rs. 100/- per day (maximum up to 3000/-) will be charged from the students who fail to deposit the University dues/fee within due date.

1.4 In case of outstanding dues against any student, he/she shall not be allowed to appear in the examinations.

1.5. The Honourable Vice Chancellor, on the recommendation of the Chairman concerned, may grant extension in payment of dues/fee or allow payment in two instalments to the needy students on cogent reasons recorded in writing for a maximum period of 60 days beyond the schedule of the dues as per approved academic calendar. In such case, late fee shall not be charged till the period allowed by the Vice-Chancellor.

1.6. Students should maintain their own personal record of original student receipts of dues paid till clearance including receipt of refundable security to avoid any inconvenience. In case of nonproduction of original receipts on demand will be considered as non-deposit of fee.

2 HOSTEL FEE

2.1. The hostel charges mentioned in Table (2) are payable during the start of new academic session/time of the admission, once a year.

2.2 In addition, the security mentioned in Table (3) will be also paid by the student at the time of admission in the university hostel.

2.3 The security mentioned in Table (3) will be refunded when a student leaves the university or the hostel, after deduction of outstanding dues of the university subject to the submission of clearance, complete in all respects.

2.4 All kind of securities mentioned in **Table (3)** remaining unclaimed for one year from the date of becoming due for refund shall lapse to the university Fund.

2.5 The refundable university securities, however, shall stand forfeited if a student withdraws, cancels admission or leaves the university before completing first year.

2.6 In case a student cancels admission within two weeks after allotment, 100% fee will be refunded except Security mentioned in Table 3 and Admission Fee in **Table 2.**

2.7 In case of no allotment 100% fee (including admission fee & security) will be refunded.

Table (2)

Description	For Both Open Merit & Rationalized
Admission Fee	1500
Room Rent Charges	7000
Service Charges	4000
Utility Charges	18000
Crockery Charges	1200
Furniture Charges	1200
Contingency Charges	3000
CRAFC	600
Hostel Card	700
TOTAL	37200

S.No	Description	For Both Open-Merit & Rationalized (In PKR)
1	Hostel Security (Refundable/Adjustable)	6,000
2	Mess Security (Refundable/Adjustable)	0
	Total Amount	6,000

3 EXAMINATION & OTHER FEE:

Detail of the university other fee are listed in **Table (4)**

S.NO.	Item	Amount (PKR)
1	Re-appearing Fee for B.Sc (Per Subject) (Non-refundable	6,000
2	B.Sc. Engineering/Non-Engineering Degree	3,000
3	Semester Transcript / DMC (Ordinary)	600
4	Semester Transcript / DMC (Urgent)	1,200
5	Final Transcript / Final DMC (Ordinary) Embossed	1,400
6	Final Transcript / Final DMC (Urgent) Embossed	1,900
7	Duplicate Final Transcript / Final DMC (Ordinary)	2,800
8	Duplicate Final Transcript / Final DMC (Urgent) Embossed	3,800
9	Revised Transcript	2,000
10	Revised Degree	4,000
11	Migration Certificate after study	1,200
12	Migration Certificate during study	700
13	Duplicate Migration Certificate	3,500
14	Correction/change in name etc.	1,200
15	Provisional Certificate	1,350
16	Duplicate Provisional Certificate	1,700
17	Rechecking of scripts per paper	1,200
18	Duplicate Degree	6,000
19	Convocation Fee	6,000
20	Verification Fee (each set)	1,800
21	Semester Freezing Fee	7,800
22	Conversion Certificate	1,400
23	Course registration fee in summer /crash semester per credit	2,500
24	Diploma Certificate Fee	2,300
25	Appeal against the decission of university disciplinary	5,500
26	Bonafide Certificate	1,200
27	English Proficiency Certificate	1,200
28	Attested syllabus	1,100
29	Any other certificate not mentioned above	1,200
	* In case the subject is not offered by the university due to any reason , the fee will be reimbursed to the students on the recommendation of the concerned chairman .	
	Note : student on employee son / daughter qouta are not exempted from fee mentioned in talble 4.	

4 FEE FOR FOREIGN STUDENTS:

4.1 A sum of USD 5,000.00 or equivalent in Pak Rupees shall be charged in addition to the normal user charges payable by other students in Self-finance category. This amount will be deposited in lump sum at the time of admission to first semester.

4.2. Foreign students admitted under the "Cultural Exchange Program" or "Technical Assistance Program" will pay tuition fee as per government rules in addition to other user charges.

5 REFUND POLICY

The following fee refund policy will be applicable in case of admission cancellation:

5.1. In case a student is transferred from one discipline to another during the adjustment of seats, the fee and other user charges shall be adjusted accordingly.

5.2. In case a student is admitted in another University on Reciprocal basis, the UET Mardan dues/fee deposited by the students will not be refunded to him/her. The fee deposited by student will be transferred to concerned University in which the student has been admitted on production of paid bank challan of fee of that University equal to UET Mardan dues or other University actual dues whichever is less.

5.3 In case of students who got admission as a result of re-advertisement, the time-line for the cancellation of the admission will be counted from the date of admission or commencement of classes whichever is later.

Table (5)

% of Fee	Timeline for Semester System
Full (100%) Fee Refund	Before commencement of classes
Half (50%) Fee Refund	From 1st-7th day of commencement of classes
No (0%) Refund	From 8th day of commencement of classes
Percentage of Fee shall be applicable on all components of fee, except for security and admission charges. Timeline shall be calculated continuously covering both weekdays and weekend.	

6 FEE FOR AFFILIATED COLLEGES & INSTITUTIONS

Table (6)

S.No.	CATEGORIES	Amount (In PKR)
1	A□liation fee	Rs.1,000,000
2	Application processing fee for a□liation (Non-refundable)	Rs.150,000
3	(a) Annual a□liation renewal fee per discipline for Undergraduate Engineering Program	Rs.100,000
	(b) Annual a□liation renewal fee per discipline for Postgraduate Engineering Program	Rs.120,000
4	Registration fee per student (once)	Rs. 5,000
5	Examination fee per student (two semesters)	Rs. 3,000 (Per Semester)
6	Examination fee (per paper)	Rs. 2,000 (One paper)
		More than one paper full fee
7	Degree fee	Rs. 5,000
8	Semester Transcript/D.M.C. (Ordinary)	Rs. 1,000
9	Semester Transcript/D.M.C. (Urgent)	Rs. 1,500
10	Final Transcript/Final D.M.C. (Ordinary) Embossed	Rs. 1,200
11	Final Transcript/Final D.M.C. (Urgent) Embossed	Rs. 2,400
12	Re-Checking fee (per paper)	Rs. 1,000
13	Duplicate Degree	Rs. 10,000
14	Convocation Fee	Rs. 5,000


FEE CONCESSION
& Other Financial Assistance

1 TERMS AND CONDITIONS:

i. The university authorities are very sensitive to the conduct and good behaviour of its students, and therefore, may cancel the scholarship of a student anytime if the awardee is found guilty of any form of misconduct or misrepresentation. The university may also report their misconduct to sponsors outside UET Mardan and their application forms for scholarship shall not be signed or recommended by the department.

ii. No student, if ever committed an act of indiscipline, shall be offered any scholarship/financial assistance by UET Mardan.

iii. The university highly discourages double financial benefits of any sort such as scholarships, financial assistance and financial aid from any source; hence, no student shall be allowed to take double financial benefits.

iv. Students from the Erstwhile-FATA (merged districts of KP) are eligible for all scholarships offered by the university or any donor agency.

v. Students of settled areas are also allowed to approach their respective local, provincial and federal donors for availing any sort of financial aid or scholarship.

vi. The students are required to deposit their semester fee. As and when the scholarship is received from external agencies/donors or the University, the amount shall be reimbursed/refunded to the student.

vii. In case of the Scholarships by UET Mardan, the semester dues may be adjusted against the scholarship subject to approval of the Vice-Chancellor.

The university offers the following scholarships, based on the recommendations of the Scholarship Award Committee, to the deserving students:

i. Siblings Students Scholarship ii. Merit-based Scholarship

iii. Need-based Scholarship

2 SIBLINGS STUDENTS SCHOLARSHIP:

Two or more siblings studying in the undergraduate programs at UET Mardan would be eligible for a sibling's scholarship, with the junior-most sibling receiving a 50% tuition fee waiver at the rate of open merit till the senior sibling completes his/her eight semesters. Siblings cases will be dealt by the directorate of admission from the time of entry /admission/enrolment in the university of a student's sibling.

3 MERIT BASED SCHOLARSHIP (TUITION FEE WAIVER):

The university provides merit-based scholarship to top 3 or 5% of enrolled students, whichever is less, per stream of the engineering and computing departments. In merit-based scholarship full tuition fee will be waived off.

The students entitled for merit-based Scholarship (tuition fee waiver) are to be decided at the beginning of each academic year based on the student's academic Performance. In first year, merit-based scholarships shall be awarded on the basis of final merit list provided by the admission section. For subsequent years the merit shall be decided on the basis of their CGPA at the end of Spring semester and only those students will be included in the merit who have no outstanding "F" or "I" grade in previous semesters with a minimum **CGPA of 3.0**. The merit lists of 1st year students shall be forwarded by the Directorate of Admission at the end of the admission process whereas the merit lists of 2nd, 3rd and 4th year students (excluding F and I grades) shall be forwarded by the Controller of Examination to the Advisor Students Affairs who will initiate the merit-based scholarship case and will sent to the Treasurer for approval of the Vice-Chancellor.

In case a student who has been awarded merit-based scholarship leaves the university, doesn't avail or declines the scholarship, the next student in line will not be considered for this scholarship.

In case of a tie between students, student with a higher CGPA/Marks in the previous year will have precedence. Self-finance students are eligible for merit-based scholarship in the years subsequent to intake, subject to the criteria mentioned above. Only tuition fee equal in amount to that of open merit students will be reimbursed to the qualifying Self-finance students for merit-based scholarship.

4 NEED-BASED SCHOLARSHIP (TUITION FEE WAIVER)

The university provides two (02) need-based scholarships per stream of the engineering and computing departments subject to the following:

a. Open Merit Students

b. **CGPA ≥ 2.5**

c. No outstanding "F" or "I" grade in previous semesters.

Award of need-based Scholarships shall be recommended by the Scholarship Committee comprising the following members:

1. Dean, Faculty of Engineering & Computing	Convener
2. Chairman of the Concerned Department	Member
3. Treasurer	Member
4. Provost	Member
5.Advisor Student Affairs	Secretary/Member

Need-based scholarship is awarded for one academic year, i.e., two semesters only. In need-based scholarship full tuition fee will be waived off.

5 AWARD FOR THE BEST STUDENT PROJECT

The university takes pride in developing professional attitude among its graduating student. Therefore, in order to encourage student's participation and improve quality of education, the authorities have decided to recognize best projects each year in each department and award them accordingly. Following rules shall apply while recognizing best projects.

(a) Five (05) cash prizes of Rs. 30,000/- each along with certificate and shield for the group members shall be awarded in each discipline. Moreover, the department shall keep the shield inscribed with the names of the group members.

(b) The award shall be recommended by a selection committee comprising of the following personals.

1. Chairman of the respective Department	Convener
2. One member from other University	Member
3. One member from the relevant industry	Member

(c) The date for the selection of best project shall be announced by the Convener well in advance.

(d) Each group shall be represented by a chosen leader who will be responsible for the organization and presentation of the project to staff members and final year students.

(e) Any individual or group that has undertaken a project shall be eligible to compete for the award.

(f) The selection committee shall take various components into consideration, such as nature and quality of the project, the quality of presentation to the audience, and the engineering and analytical input to the work, while evaluating a project.

(g) For a project to be eligible for the award of cash prize, it is required that the obtained marks awarded by the committee to a project is equal to or above the threshold of average 80% marks awarded by the committee.

6 GOLD MEDALS

The university offers Gold Medal along with a distinction certificate to its topper student. Following rules shall apply for Gold Medal.

(a) The degree must be completed in eight consecutive semesters and all examinations must have been passed in first attempt.

(b) CGPA shall not be less than 3.67

(c) The student must has secured first position in aggregate marks in all examinations in their respective discipline. In case of a tie, more than one gold medals will be awarded.

7 FINANCIAL ASSISTANCE TO DESERVING STUDENTS:

The following agencies provide financial assistance to deserving students on

merit/in affordability basis:

- Ehsaas Undergraduate Scholarship Project www.hec.gov.pk
- Professional Education Foundation www.thepef.com
- Pakistan Engineering Congress www.peccongress.com
- Mora Scholarship from zakat fund
- HEC Need based scholarships www.hec.gov.pk
- Dr. Omer Hayat Trust fund
- Karwan-e-ilm foundation info@karwan-e-ilm.com
- USAID Merit & Need Based Scholarships www.hec.gov.pk
- HEC German Need Based Scholarships www.hec.gov.pk
- Diya Foundation Scholarships www.diyapakorg
- London Foundation Scholarships www.pfl.uk.net
- National Bank of Pakistan Loan Scheme www.nbp.com.pk
- Chief Minister Scholarships for needy students www.pmu-hed.com
- Fast Cables Merit Scholarships www.fast-cables.com
- JICA Endowment Fund Scholarships for needy students
- Prime Minister National ICT Scholarships www.ictrdf.pk
- Bait Ul Mal Scholarship
- Scholarship for Petroleum Production Areas


02
01
UNIVERSITY
Hostels

1 INTRODUCTION:

Limited hostel facility is available at the University for students coming from far-flung areas. Hostels are meant to provide clean and peaceful environment for the students and are equipped with all amenities for standard living. There are three (03) Hostels for male and one (01) for female students on-campus details of which are as follow.

Boys Hostels		
S. No.	Name of the Hostel	Maximum Capacity
1.	Ahmad Shah Abdali Hostel (ASA), UET Mardan.	200
2.	Malik Ahmad Khan Hostel (MAK), UET Mardan.	200
3.	Hostel No. 3. UET Mardan.	50
Girls Hostels		
1.	Ayesha Girls Hostel (AGH), UET Mardan	100

These hostels provide: -

1.1. Peaceful academic environment

1.2. Good meals prepared under hygienic conditions

1.3. Indoor recreational facilities, i.e.:

(a) TV Room (b) Indoor games

Due to limited capacity of accommodation, boarding is a facility and cannot be demanded as a right by the students and may not be provided to all students enrolled. Mess facility is available to all hostel residents which operate on a no-profit no-loss basis.

Each hostel is assigned a Resident Warden and Assistant Warden who are responsible for the implementation of hostel rules, maintenance of order and discipline in hostels. The Resident Warden is the first point of contact between a resident student and University administration.

All issues, queries/complaints regarding any resident student or hostel staff shall be reported to the Resident Warden/Assistant Warden and thus students must not take any matter into their own hands. For facilitating the students, bearers and other staff has been assigned to each hostel. The provost serves as the overall in-charge of the hostels and sets policy guidelines for the hostel administration.

Security guards will perform duty on the gates of the hostels who will permit only authorized residents into hostel premises. He can randomly visit rooms of any hostel at any time for checking of any illegal stuff under the authorized supervision of Resident Warden/Assistant Warden.

Resident students are required to abide by the rules and regulations of the University hostels as laid down in this Prospectus and notified from time to time by the hostel and University administration. In case of violation of rules or any misconduct, penalty will be imposed as per hostel regulations.

Note: Students admitted/studying in the university on non-subsidized scheme are not entitled to boarding facility.

2 HOSTEL ADMISSION

2.1 Hostel admission shall be granted only to students on regular rolls of the University.

2.2 Students desiring hostel accommodation shall apply on the prescribed hostel admission form on or before the last date announced for the purpose. Students shall submit duly completed forms, along with five passport size photographs duly attested by the head of the concerned department, affidavit on stamp paper, and fee slip to the hostel dealing office. Forms, after necessary scrutiny, will then be forwarded to office of the Provost. No hostel admission form shall be entertained after the closing date.

2.3 A merit list of the applicants will be prepared by Provost Office with the help of Wardens after necessary scrutiny of hostel admission forms. The Provost office will issue hostel admission cards among the eligible candidates as per merit list displayed. The students shall submit their cards within 15 days after the allotment to the concerned warden and upon acceptance of which they shall

become residents of that hostel and will be under disciplinary supervision of the hostel administration. If a student fails to submit his card to the concerned warden within due time, his/her hostel card shall stand void.

2.4 Hostel seats will be allocated to each department in proportion to the number of enrolled students in that department. Preference shall be given to those applicants who hail from far-flung areas. Students coming from areas falling within 25 km radius from UET Mardan are not illegible for hostel accommodation.

2.5 In case of any misconduct by an applicant, hostel authority is authorised to refuse/cancel hostel admission of students.

2.6 Request for cancellation of hostel seat and fee refund is to be addressed to the Provost through the concerned warden.

a. A student will not be eligible for the refund of any of his hostel fee if he fails to apply for it within thirty (30) days after the allotment.

b. If seat is allotted and student does not avail it, he/she will be eligible for refund of his/her fee without security.

c. A student will be eligible for his fee refund if he applies for cancellation of his seat within fifteen (15) day of allotment.

d. A student will be eligible for the refund of half of the refundable fee if he cancels his seat after fifteen (15) days.

e. A student who has not been allotted seat in hostel will get back his fee in full.

2.7 A student losing his hostel seat on any disciplinary grounds will not be eligible for the refund of any of the hostel fee.

2.8 A student rusticated from his teaching department will automatically loose his hostel seat.

2.9 Hostel facility is admissible to a student regularly enrolled in his department for a maximum period of four (04) academic years/08 semesters.

2.10 Students having admission cancelled in the past on disciplinary grounds, re-submission of application for hostel allotment will not be entertained.

3 ALLOTMENT

3.1 Hostel accommodation will be provided on merit at CGPA basis, and not at student's choice.

3.2 Seats shall be provided by the warden of the respective hostel within three days of the submission of his/her hostel card. However, the handing over may take longer depending upon the time required to complete the process of shifting by ex-room holders.

3.3 The eligible students of 1st, 2nd, 3rd and 4th years will be accommodated in the hostel rooms.

3.4 No boarder is allowed to interchange his/her seat or accommodation without permission from the concerned warden. Violation of this rule will lead to a strict disciplinary action against the violators.

4 HOSTEL DISCIPLINE

4.1 The Resident student and his/her Parent/guardian must have to sign an affidavit provided by the university on judicial stamp paper regarding the good conduct. If he/she fails to do so, shall not be allowed to enter the hostel. Additionally, the following must also be ensured with regards to the guardian:

(a) A guardian can only be a blood relative i.e. paternal or maternal uncle, elder sibling.

(b) At the time of admission to the Hostel, Parents/Guardian must accompany the student to the hostel. They will be required to submit a copy of CNIC along with an affidavit signed by oath commissioner.

(c) After verification and collection of the signed affidavits, the resident shall be issued an identity card. The residents are advised to keep the identity cards always with them, and they will only be permitted to their hostels after showing this card to the security guard.

4.2 A resident student is bound to follow hostel rules/regulations or any additional orders/instructions issued by the administration in later and spirit. In case of any failure, strict disciplinary action will be taken against him/her.

4.3 No non-resident student of the university is allowed to enter or stay in the hostel

without prior permission of the concerned warden.

4.4 No resident of one hostel is allowed for an overnight stay in any other hostel of the University. Likewise, no outsider/guest or family member is allowed to stay in or visit any hostel of the University.

4.5 No resident students are allowed to entertain the outsiders/guests in their rooms. However, the resident students can entertain their guests in guest rooms within the recommended visiting hours.

4.6 Keeping of any arms, explosives, alcohol, intoxicants, drugs, cigarette, and other harmful/illegal materials are strictly prohibited. Anyone found with the possession of such materials will face instant disciplinary action which may include written warning, imposition of fines, expulsion from the hostel, or both depending upon gravity of the offense.

4.7 No hostel resident is allowed to Use/keep electrical appliances/gadget such as heaters, air coolers and air conditioners etc. in his/her rooms. If any resident is caught having any such electrical appliances/gadgets, then he/she will be fined and the appliance/gadget will be confiscated from the resident student.

4.8 Every resident must avoid all types of actions which are detrimental to peaceful/congenial environment within the hostel. The resident should not indulge in acts like shouting or singing or playing of music loudly.

4.9 No resident student is allowed to organize/participate in any sort of political activity, if anyone found involved in such activities will face strict disciplinary action against him/her.

4.10 No resident is allowed to invite any political figure and/or scholar for speech, lecture or any other related functions in the hostel premises. Besides, the residents are directed not to circulate any published and unpublished material for the said purpose. Furthermore, residents are not allowed to assemble any political crowds or congregations within the hostel premises.

4.11 No female students are allowed to enter boys hostel and vice versa.

4.12 The resident shall be responsible to keep his room, common areas and surroundings clean and tidy. A boarder must keep his door properly closed and locked when leaving his room, even when just going to the bathroom or taking shower. Residents shall not keep expensive items (cost of which exceeds Rs. 1000/-) or cash in their rooms. Any loss or damage shall not be the responsibility of the Hostel Administration.

4.13 No resident is permitted to park his bicycle, motorcycle, scooter or car within the hostel premises. If any resident fails to do so, shall be liable to disciplinary action. Further, any loss or damage shall not be the responsibility of the Hostel administration.

4.14 No resident is allowed to ride bicycle, motorcycle, scooter or car inside the hostel premises. Violation of this rule will be dealt seriously.

4.15 Use of accommodation for any purpose other than the prescribed by hostel administration is not allowed and may lead to strict disciplinary action.

4.16 No resident is allowed to enter into any conflict with the hostel staff directly. The complaints against the hostel staff should be brought to the notice of the Hostel warden/provost.

4.17 A resident is supposed to live in harmony with his room-mates. However, he should not allow any unlawful/unethical activity in his room. It is his responsibility to bring into the notice of the hostel administration any prohibited item/activity occurring in his room otherwise all the residents of the room will bear due responsibility of the offense.

4.18 A resident shall not insist on the hostel staff to involve in any activity other than the given job responsibility. Also, the residents shall not insist on them to bring contraband goods for them.

4.19 Hostel warden can impose a fine of up-to Rs. 5000/- on any resident student who fails to abide by the hostel rules and regulations or any order of the hostel administration. Before imposing any penalty/fine on any resident student, the hostel warden may provide him an opportunity to be listened. The warden may decide himself to carry off any penalty/fine if he/she finds the reply of the student satisfactory or he/she may decide otherwise. The warden can refer the matter to the Hostel Discipline Committee (HDC) for further necessary action. The committee can forward the matter to the University Discipline Committee if necessary.

4.20 Warden is responsible for running the hostel as per rules of rules/regulations. In case of any serious offense/misconduct the warden, in consultation with the Provost, is authorized to take instant action which may include expulsion of the offender from the hostel.

4.21 Rules and regulations for Hostel Warden (Refer to Section # 20)

4.22 Appeal: Any student, against whom disciplinary action has been taken by the resident warden, may appeal to the Hostel Discipline Committee (HDC) within 15 days.

5 HOSTEL DISCIPLINE COMMITTEE

5.1 Cases of indiscipline by the resident students may be forwarded to the Hostel Discipline Committee by the Resident Warden. The Convener of HDC in consultation with the Provost will call a meeting of HDC at a place and time convenient to the committee members, to conduct hearings of the case.

5.2 The Hostel Discipline Committee will decide the cases according to hostel conduct and discipline regulations.

5.3 The Hostel Discipline Committee may forward the cases needing severe penalties (such as imposition of a fine of more than Rs.40, 000/ and or expulsion /rustications from the university) to the University Discipline Committee.

5.4 Assistant Provost will record minutes of the meeting of HDC and all records of HDC decisions. These decisions and minutes will be duly signed by all members of HDC and will be communicated in writing with all members concerned and wardens. Rules & Regulations for HDC (Refer to Sec# 20)

6 APPEAL

An appeal challenging HDC decision by any student shall be submitted to UDC within 15 days beyond which no appeals against the decision will be entertained.

7 HOSTEL MESS

7.1 Every resident of the Hostel will automatically be the part of hostel mess. However, any resident on medical grounds can suspend the mess by providing proper medical certificate. Mess cannot be closed by any member for a period of less than three days. Members of the mess should inform the office assistant about closing of his/her mess one day before.

7.2 Resident Warden should constitute a mess committee of the resident. This committee will monitor the Hostel mess. Warden may cancel membership of any member of the mess committee on the basis of his performance and conduct. Menu will be decided by the mess committee on weekly/monthly basis with the consent of Resident Warden.

7.3 Mess will be supervised and checked by the Resident Warden daily or on alternative days. Provost may make surprise visit to the Hostel and Hostel Mess.

7.4 Every member of Hostel Mess should pay his mess dues within first 15 days of the month. If anyone fails to clear his dues in this period, he will be charged with fine. Amount of fine will be 10% of the total dues which will be imposed by the warden.

7.5 The Hostel residents shall attend Hostel Mess during the prescribe timings for meal after which no resident student will be served with food.

7.6 No meals should be served in the Hostel rooms by the bearers and members shall take their meals in the dedicated sitting area of the Dining Hall of the Hostel.

7.7 Resident students shall leave the Dining Hall after finishing their meals. They must not create any sort of trouble and disturbance to their fellow students in the hostel mess. Smoking is strictly prohibited in the premises of the Hostel mess.

7.8 Hostel lawns, common rooms or places other than Dining Halls shouldn't be used for any meal i.e. lunch, dinner, breakfast or tea.

7.9 Bring food from outside is not allowed.

8 HOSTEL GATES TIMINGS

8.1 Following timings will be observed for Boys Hostels:

Season	Opening gate time	Closing gate time
Winter	7:00 AM	10:00 PM
Summer	6:00 AM	11:00 PM

8.2 No Resident students will be allowed to enter the hostel premises without Boarding pass.

9 NOTICES AND WALL CHALKING

No resident is allowed to display or paste any printed or handwritten notices anywhere in the hostel except those duly signed by the Hostel Warden. No resident student is allowed to involve in wall chalking inside the hostel premises. Any student violating this rule will be subjected to strict disciplinary action.

10 COMPLAINTS

All complaints regarding any matter of hostel should be reported to the hostel Warden. Students are not allowed to take the matters in their own hands, otherwise strict actions will be taken.

11 UTENSILS, FURNITURE & ELECTRIC INSTALLATIONS

11.1 Utensils from the dining hall/ mess and furniture from common rooms are not ought to be taken by the residents to their rooms or outside hostel. Furniture should not be displaced from their chosen locations. Else, strict disciplinary action will be taken against the concerned students.

11.2 A bed, table and chair will be provided to every resident of hostel and he/she will be responsible for any damage done to these items and will be fined, heavily.

11.3 All rooms of hostels have necessary electric fittings. The resident of the room will be responsible for the proper usage and safety of all the electric fittings.

12 COMMON ROOM

12.1 A Common Room Committee will be formed of three to five students by the concerned Warden which will take care of all matters related to Common Room under the supervision of the Hostel Warden.

12.2 Resident Warden will facilitate the students with newspapers, magazines, material for indoor games and fulfil other maintenance requirements of the hostel. These needs will be funded by the contingency fund of the hostel. The Warden will provide an approximation of contingency funds for these purposes.

12.3 Display of films/movies are not allowed inside the hostels. Special permission of the Provost must be taken for the arrangement of any such function whatsoever inside the hostel premises. Non-residents students will not be allowed to participate in such activities inside hostel without the permission of the Warden. Also, no paid/professional artists can be invited to perform in the hostel premises.

12.4 Co-curriculum activities like indoor games, dramas, debates etc. are allowed to be arranged in hostel by the resident students with the proper permission of the Resident Warden. The Resident Warden shall give the permissions for such activities through consultation with the Provost.

13 HOSTEL STAFF

13.1 Private/personal servants are not allowed in hostels. Every hostel is managed by appointed staff who look after the needs of hostilities e.g. bearers, water carriers, sweepers and gardener etc. The hostel staff is answerable to the warden of the hostel. Any complaint against the staff should be communicated to the warden of the hostel in writing. Hostel staff is bound to serve the resident students inside the hostel premises according to the duties assigned to them by the hostel administration.

13.2 Misbehaviour by the resident students with the hostel staff is subject to strict disciplinary action against the perpetrators.

14 PROHIBITION OF VALUABLES

14.1 The resident students are not allowed to keep items like car, motorcycle, Video Camera, TV Set, gold, expensive mobile phones, large sum of money etc. In case of any loss or theft the responsibility shall entirely be on the student who owned it.

14.2 However, students residing in hostels are allowed to keep computers, Laptops without external speakers/woofers in their rooms at their own risk for educational purposes only. The hostel authorities shall bear no responsibility in case of any loss or theft.

15 REGIONAL SOCIETIES / POLITICAL / RELIGIO-POLITICAL GROUPS

Borders students are not allowed to form or be part of any political, regional, Religio-political or any sort of group in the hostel. Moreover, they are also not allowed to use or let their rooms be used as offices of any group. Resident students are not allowed to arrange meetings that has regional, political and religio- political agenda of any nature inside the hostel premises. Perpetrators of such gatherings will face strict disciplinary proceedings. Residents are not allowed to perform congregational prayers in the hostel.

16 CLOSURE OF HOSTELS

The university hostels shall remain closed during the vacations. A resident student shall be needed to vacate the hostels except those who are in process of examination or have inducted in summer semester. The administration may provide an alternate arrangement for aforementioned students. Foreign students may be allowed to stay in their hostel during vacations.

17 SPECIAL REGULATIONS FOR GIRLS' HOSTELS

17.1 Female students shall directly report to their hostels after they are done with their classes in their respective departments.

17.2 Night attendance of the borders shall be taken on a daily basis.

17.3 The Warden has the right to make surprise visits to the hostel rooms for inspection.

17.4 Resident students are bound to follow instructions of the Warden on departure from the hostel on weekends and other vacations.

17.5 The Hostel Gates Timing

Following timetable will strictly be observed for opening and closing girls hostel gates:

Season	Opening gate Time	Closing gate Time
Winter	7:45 AM	4:00 PM
Summer	7:45 AM	4:00 PM

18 LEAVE APPLICATIONS AND COMPLAINTS

Leave applications and complaint shall be submitted to the Warden. Students residing in hostels must have their applications signed by the Warden/Assistant Warden before leaving the hostel premises.

19 VISITORS AND PERMISSION

Every resident of the Girls' hostel must submit an affidavit having a list of three relatives duly signed by her parents/guardian along with photocopies of their CNICs at the time of admission.

19.1 Only parents/guardian and authorized relative shall be allowed to visit female resident students during the following visiting hours:

Winter (October to March)
Saturday: 3:00 PM to 6:00 PM
Sunday: 9:00 AM to 6:00 PM
Summer (April to September)
Saturday: 5:00 PM to 7:00 PM
Sunday: 9:00 AM to 7:00 PM

19.2 Only parents/guardian and authorized relative can take a resident student out of the campus for shopping/overnight stay on weekends.

19.3 Permission to meet the authorized relative must be obtained from the Warden or Provost. Male visitors shall meet the residents only in the visitor's room for minimum possible time to avoid inconvenience to other students.

19.4 With the permission of the warden or provost the female resident students can attend the university's departmental functions and study tours.

19.5 Permission for going out must be obtained one day before. A resident student must sign in the register at time of departure. She should also mention the place of visit and time of return. She must also sign in the register upon her return.

19.6 Guests: No guest will be allowed to have casual meals or for night stay without the prior permission of the hostel administration.

20 REGULATIONS FOR HOSTEL WARDEN

S.No	Offense	Disciplinary Action
1.	Violation of Hostel Rules or Disobeying the orders of Hostel Administration	First time: Fine up to a maximum of Rs. 5000/Second time: Cancellation of Hostel Privilege for next sessions and/or expulsion from hostel/forward the case to HDC
2.	Using Electrical appliances such as Electric heaters/Electric hotplates/Electric cookers/Electric kettles/Hair dryers/ use of gas cylinders, and any other similar equipment.	First time: Fine up to a maximum of Rs. 5000/- and recovery of estimated electricity charges along with confiscation of the appliances Second time: Cancellation of Hostel Privilege for next sessions and/or expulsion from hostel
3.	Installing internal locks in the allotted rooms	Fine up to a maximum of Rs. 5000/-
4.	Playing games in hostel lawns or corridors	Fine up to a maximum of Rs. 5000/- or forward the case to HDC
5.	Smoking inside the hostel premises, sleeping in prayer hall or common room/study room and any such practice	Fine up to a maximum of Rs. 5000/- or forward the case to HDC
6.	If cigarette butts, matchboxes, lighters, ashtrays, or any smoking-related material is found in any room, all boarders of the room shall be penalized. However, a favour may be granted to the one who informs the hostel administration regarding the same.	Fine up to a maximum of Rs. 3000/- each with a warning letter
7.	Keeping outsider / day scholar in the room	Fine up to a maximum of Rs. 5000/-and cancellation of hostel facility for next sessions and/or expulsion from hostel/ forward the case to HDC

21 REGULATIONS FOR HOSTEL DISCIPLINE COMMITTEE

S. No	Offense	Disciplinary Action
1.	Keeping outsider / day scholar in hostel room	First time: Fine up to a maximum of Rs. 40,000/Second time: Cancellation of Hostel facility for next academic sessions and/or expulsion from Hostel.
2.	Keeping arms, explosives, intoxicants, and drugs or anything alike.	Fine up to a maximum of Rs.40, 000/- and cancellation of hostel facility for next session and/or expulsion from hostel.
3.	Playing games in hostel lawns and corridors.	Fine up to a maximum of Rs. 20,000/
4.	Misbehaviour with Hostel Staff or Administration or fellow students.	Fine up to a maximum of Rs. 40,000/- and/or expulsion from Hostel and/or cancellation of hostel privilege for next sessions.
5.	Invitation to any political figures, scholar or any individual for any speech, lecture, sermon or to advertise any event through published and unpublished materials etc. without the written permission of authorities concerned and/or wall chalking and such other activities.	Fine up to a maximum of Rs. 40,000/- and/or expulsion from hostel and/or cancellation of hostel privilege for next sessions.
6.	Damaging/theft or misuse of hostel property and hostel card	Recovery of loss and Fine up to a maximum of Rs. 40,000/- and/or expulsion from hostel and/or cancellation of hostel privilege for next sessions.
7.	Leasing out of one seat or room to outsiders	Cancellation of Hostel seat and fine of Rs. 10,000/- to 20,000/- for subletting a seat and fine of Rs. 20,000/- to 40,000/- for subletting a room.
8.	Willful absence from HDC meeting by a student	A fine of up to Rs. 10,000/- for the first time and cancellation of hostel seat and ex-parte action.

22 HOSTEL ADMINISTRATION

S. No	Name	Designation	Phone
1.	Dr. M. Abbas Mahmood	Provost	0937-9230455
2.	Engr. Usman Ali	Warden Boys Hostels	0937-9230069
3.	Engr. Waleed Shehzad	Assistant Warden Ahmad Shah Abdali Boys Hostel	0937-9230069
4.	Mr. Shehzad Ahmed	Assistant Warden Malik Ahmed Boy's Hostel	
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