



UNDERGRADUATE

PROSPECTUS 2023-24

University of Engineering & Technology, Mardan





UNDERGRADUATE
PROSPECTUS
2023-24

University of Engineering & Technology, Mardan

Contents

02

www.uetmardan.edu.pk

04-09

Message of the Chancellor
Message of the Vice Chancellor
The City of Mardan
About UET Mardan

DEPARTMENT OF
**COMPUTER SOFTWARE
ENGINEERING** 10-16

17-25 DEPARTMENT OF
ELECTRICAL ENGINEERING

DEPARTMENT OF
**TELECOMMUNICATION
ENGINEERING** 26-32

33-44 DEPARTMENT OF
COMPUTER SCIENCE

45-51 DEPARTMENT OF
CIVIL ENGINEERING

03

www.uetmardan.edu.pk

DEPARTMENT OF
**NATURAL SCIENCES
& HUMANITIES** 52-56

57-63 DEPARTMENT OF
MECHANICAL ENGINEERING

ADMISSION RULES 64-80

81-90 **ACADEMIC & EXAMINATION RULES**

RULES AND REGULATIONS 91-103

104-108 **FEES STRUCTURE**

**FEE CONCESSION & OTHER
FINANCIAL ASSISTANCE** 109-112

113-122 **UNIVERSITY HOSTEL**

IMPORTANT CONTACTS 123



MESSAGE OF CHANCELLOR

The University of Engineering & Technology Mardan from the day of its establishment in 2018 is offering a diverse range of undergraduate and graduate programs in engineering, technology, and natural sciences, providing students with a comprehensive education that prepares them for their future careers. In a short time, UET Mardan has achieved significant success and continues to innovate through new programs that offer a contemporary curriculum, research opportunities, student engagement, practical training, faculty development, international collaborations, progress towards a state-of-the-art campus building, and industry partnerships.

I am pleased to note that UET Mardan has made remarkable progress in higher education by adding modern infrastructure and facilities that foster a conducive atmosphere for knowledge transfer. The university has introduced innovative research in various technologies, particularly in emerging engineering fields, to promote a high academic standard and technological advancement. It is commendable that UET Mardan is addressing the engineering technology void that has existed for several decades.

As a Chancellor, I am proud of the university's achievements in academic excellence, research, and innovation and hope that UET Mardan continues its commitment to transforming its students into valuable graduates who will catalyze Pakistan's industrial and economic progress. I also encourage all students to make the most of the opportunities offered by UET Mardan and work hard to achieve their academic and professional goals.

Haji Ghulam Ali
Chancellor, UET Mardan

04

www.uetmardan.edu.pk



MESSAGE OF VICE CHANCELLOR

Dear students, faculty, staff and visitors, Welcome to University of Engineering and Technology, Mardan. UET Mardan has come a long way since its inception and has established itself as a leading institution in the field of engineering and technology. We take pride in our commitment to academic excellence, research, and innovation, and our mission to produce graduates who can make a positive impact in society.

At UET Mardan, we are constantly striving to create an environment that fosters creativity, critical thinking, and problem-solving skills among our students. Our faculty is a dedicated team of experts who work tirelessly to ensure that our students receive the best education possible. Our research initiatives are focused on finding solutions to the most pressing issues facing our world today.

Our students have access to state-of-the-art facilities, including well-equipped laboratories, modern classrooms, and a library that houses a vast collection of books and research papers. We also offer a range of extracurricular activities to help our students develop their leadership and teamwork skills.

Our University has already established itself as a leader in the fields of telecommunication, electrical, computer software, civil, mechanical engineering, as well as computer science, mathematics, and English literature and linguistics programs, with an impressive legacy of five years. All of our undergraduate engineering programs are accredited by Pakistan Engineering Council (PEC) under the Outcome Based Education (OBE) system of the Washington Accord (WA). Our engineers with OBE degrees are recognized as being on par with the engineers of WA signatories and are sought after by employers in USA, Australia, Canada, New Zealand, Ireland, South Korea, China, Japan, UK, and Malaysia. Furthermore, our BS Computer Science program is accredited by the National Computing Education Accreditation Council (NCEAC).

As the Vice Chancellor of UET Mardan, I am committed to ensuring that our institution continues to grow and evolve to meet the changing needs of our society. We are constantly exploring new avenues for collaboration with leading universities and research institutions around the world to offer our students opportunities for global exposure and learning.

I invite you to explore our website and learn more about the programs we offer, the research we are engaged in, and the vibrant community that makes up UET Mardan. Whether you are a prospective student, a current student, a faculty member, or a member of our staff, I am confident that you will find our institution to be a place of learning, innovation, and growth.

Prof. Dr. Sadiq Ullah
Vice Chancellor, UET Mardan

05

www.uetmardan.edu.pk



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 to 1st century BC and Hund was the capital from 6th to the end of 10th century A.D. In between Peshawar remained the capital of Gandhara from first 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.

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 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 sweet 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 life style 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

A fast-emerging and thriving public sector engineering university of Khyber Pakhtunkhwa, UET Mardan aims to provide quality engineering education to the people of Khyber Pakhtunkhwa. With a continuous influx of knowledge and ideas, it is an inspiring place to work and study. 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



08

www.uetmardan.edu.pk

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 & Commercialisation: Office of Research, Innovation and Commercialisation serves as a pivotal point, encompassing all the research activities-from development of research proposals to commercialisation 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 on "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.



09

www.uetmardan.edu.pk

DEPARTMENT OF COMPUTER SOFTWARE ENGINEERING

10

www.uetmardan.edu.pk



Faculty

11

www.uetmardan.edu.pk

Chairman

Prof. Dr. Ibrar Ali Shah

PhD. (UK)

Semester Coordinator

Dr. Muhammad Sohail Khan

PhD. (South Korea)

Professors

Prof. Dr. Sadaqat Jan

PhD. (UK)

Prof. Dr. Ibrar Ali Shah

PhD. (UK)

Assistant Professors

Dr. Muhammad Sohail Khan

PhD. (South Korea)

Engr. Imran Maqsood

MSc. (Pakistan)

Lecturers

Engr. Fahim Ullah Khan

MSc. (Pakistan)

Engr. Muhammad Ishaq

MSc. (Pakistan)

Engr. Shaharyar

MSc. (Pakistan)

Engr. Lubna Gul

MSc. (Pakistan)

Engr. Syed Zafar Ali Shah

MSc. (Pakistan)

Lab Engineers

Engr. Humayun Khan

MSc. (Pakistan)

Shared Faculty

Dr. M. Abbas Mahmood

PhD. (Thailand)

Dr. Murtaza Ali Bangash

PhD. (Pakistan)

Dr. Mushtaq Ahmad Khan

PhD. (China)

Mrs. Shazia Habib

MPhil. (Pakistan)

Mrs. Naznina Hakim

MA (Pakistan)

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. 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.

3. Academic Programs

The Department offers the following Programs:

- BSc. Computer Software Engineering
- MSc. Computer Software Engineering
- 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.

4. 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.

5. 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 plane 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 is 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.

6. Research

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

- Machine Learning
- Cloud Computing
- Cyber Security
- Software Requirements Engineering
- Software Design & Architecture
- Agile Software Development
- Global Software Development
- Software Outsourcing
- Data Science
- Internet of Things
- Computer Networks
- Semantic Web

- Human Computer Interaction

7.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.

- Programming Lab
- Data Science Lab
- System and Design Lab
- Final Year Project Lab
- Embedded Systems Lab

Scheme of Studies

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-requisite |
|-----------------|-------------|--|---------------|-----|--------------|---------------|
| | | | Theory | Lab | Total | |
| 1 st | CS-101 | Information and Communication Technologies | 2 | 0 | 2 | None |
| | CS-101L | Information and Communication Technologies Lab | 0 | 3 | 1 | None |
| | CS-102 | Computer Programming | 3 | 0 | 3 | None |
| | CS-102L | Computer Programming Lab | 0 | 3 | 1 | None |
| | CE-117 | Occupational Health and Safety | 1 | 0 | 1 | None |
| | BSH-101 | Islamic Studies | 2 | 0 | 2 | None |
| | BSH-102 | Pakistan Studies | 2 | 0 | 2 | None |
| | BSH-110 | Functional English | 2 | 0 | 2 | None |
| | BSH-130 | Calculus & Analytical Geometry | 3 | 0 | 3 | None |
| | | Total Contact Hours | 15 | 6 | | |
| | | Total Credit Hours | | | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | | | Pre-requisite |
|-----------------|-------------|--|---------------|-----|--------------|-----------|-----------|---------------|
| | | | Theory | Lab | Total | | | |
| 2 nd | SE-106 | Computer Architecture & Logic Design | | | 3 | 0 | 3 | None |
| | SE-106 L | Computer Architecture & Logic Design Lab | | | 0 | 3 | 1 | None |
| | SE-103 | Discrete Structures | | | 3 | 0 | 3 | None |
| | SE-107 | Object Oriented Programming | | | 2 | 0 | 2 | CS-102 |
| | SE-107 L | Object Oriented Programming Lab | | | 0 | 3 | 1 | CS-102 |
| | BSH-123 | Basic Physics | | | 3 | 0 | 3 | None |
| | BSH-211 | Communication Skills | | | 2 | 0 | 2 | None |
| | BSH-132 | Linear Algebra | | | 3 | 0 | 3 | None |
| | | Total Contact Hours | | | 15 | 6 | -- | |
| | | Total Credit Hours | | | -- | -- | 18 | |

14

www.uetmardan.edu.pk

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | | | Pre-requisite |
|-----------------|-------------|--------------------------------------|---------------|-----|--------------|----|----|---------------|
| | | | Theory | Lab | Total | | | |
| 3 rd | SE-202 | Data Structures & Algorithms | | | 3 | 0 | 3 | SE- 107 |
| | SE-202L | Data Structures & Algorithms Lab | | | 0 | 3 | 1 | SE- 107 |
| | SE-204 | Introduction to Software Engineering | | | 3 | 0 | 3 | None |
| | BSH-232 | Complex Variables and Transforms | | | 3 | 0 | 3 | None |
| | SE-304 | Operating Systems | | | 3 | 0 | 3 | None |
| | SE-304L | Operating Systems Lab | | | 0 | 3 | 1 | None |
| | BSH-233 | Probability and Statistics | | | 3 | 0 | 3 | None |
| | | Total Contact Hours | | | 15 | 6 | -- | |
| | | Total Credit Hours | | | -- | -- | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | | | Pre-requisite |
|-----------------|-------------|---------------------------------------|---------------|-----|--------------|----|------|---------------|
| | | | Theory | Lab | Total | | | |
| 4 th | BSH-231 | Numerical Analysis | | 3 | 0 | 3 | None | |
| | SE-209 | Introduction to Database Systems | | 3 | 0 | 3 | None | |
| | SE-209L | Introduction to Database Systems Lab | | 0 | 3 | 1 | None | |
| | SE-302 | Software Design & Architecture | | 2 | 0 | 2 | None | |
| | SE-302L | Software Design & Architecture Lab | | 0 | 3 | 1 | None | |
| | SE-305 | Computer Communication & Networks | | 3 | 3 | 3 | None | |
| | SE-305L | Computer Communication & Networks Lab | | 0 | 3 | 1 | None | |
| | BSH-*** | Social Sciences-I | | 2 | 0 | 2 | None | |
| | | Total Contact Hours | | 13 | 9 | -- | | |
| | | Total Credit Hours | | -- | -- | 16 | | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | | | Pre-requisite |
|-----------------|-------------|---|---------------|-----|--------------|-----------|-----------|---------------|
| | | | Theory | Lab | Total | | | |
| 5 th | SE-*** | Software Engineering Elective-I | | | 3 | 0 | 3 | ++ |
| | SE-311 | Embedded Systems | | | 2 | 0 | 2 | None |
| | SE-311L | Embedded Systems Lab | | | 0 | 3 | 1 | None |
| | SE-312 | Design and Analysis of Algorithms | | | 3 | 0 | 3 | None |
| | SE-206 | Software Construction & Development | | | 2 | 0 | 2 | SE-302 |
| | SE-206L | Software Construction & Development Lab | | | 0 | 3 | 1 | SE-302 |
| | BSH-311 | Technical Writing and Presentation Skills | | | 3 | 0 | 3 | None |
| | BSH-*** | Management Sciences Elective-1 | | | 3 | 0 | 3 | None |
| | | Total Contact Hours | | | 16 | 6 | -- | |
| | | Total Credit Hours | | | -- | -- | 18 | |

15

www.uetmardan.edu.pk

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | | Pre-requisite | |
|-----------------|-------------|----------------------------------|---------------|-----|--------------|-----------|---------------|---------------|
| | | | Theory | Lab | Total | | | |
| 6 th | SE-*** | Software Engineering Elective-II | | | 3 | 0 | 3 | ++ |
| | SE-401 | Human Computer Interaction | | | 2 | 0 | 2 | None |
| | SE-401L | Human Computer Interaction Lab | | | 0 | 3 | 1 | None |
| | SE-402 | Software Project Management | | | 3 | 0 | 3 | None |
| | SE-307 | Software Quality Engineering | | | 3 | 0 | 3 | SE-204 |
| | BSH-440 | Entrepreneurship | | | 2 | 0 | 2 | None |
| | SE-301 | Web Engineering | | | 3 | 0 | 3 | None |
| | SE-301L | Web Engineering Lab | | | 0 | 3 | 1 | None |
| | | Total Contact Hours | | | 16 | 6 | -- | |
| | | Total Credit Hours | | | -- | -- | 18 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | | Pre-requisite | |
|-----------------|-------------|--|---------------|-----|--------------|----|---------------|------|
| | | | Theory | Lab | Total | | | |
| 7 th | SE-*** | Software Engineering Elective-III | | | 2 | 0 | 2 | ++ |
| | SE-L*** | Software Engineering Elective-III Lab | | | 0 | 3 | 1 | ++ |
| | SE-*** | Software Engineering Elective-IV | | | 2 | 0 | 2 | ++ |
| | SE-L*** | Software Engineering Elective-IV Lab | | | 0 | 3 | 1 | ++ |
| | SE-406 | Formal Methods in Software Engineering | | | 3 | 0 | 3 | None |
| | BSH-*** | Social Science Elective-II | | | 2 | 0 | 2 | None |
| | SE-405a | Final Year Project | | | 0 | 9 | 3 | None |
| | | Total Contact Hours | | | 09 | 15 | -- | |
| | | Total Credit Hours | | | -- | -- | 14 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | | Pre-requisite | |
|-----------------|-------------|--------------------------------------|---------------|-----|--------------|----|---------------|------|
| | | | Theory | Lab | Total | | | |
| 8 th | SE-*** | Software Engineering Elective-V | | | 2 | 0 | 2 | ++ |
| | SE-L*** | Software Engineering Elective-V Lab | | | 0 | 3 | 1 | ++ |
| | SE-327 | Information Security | | | 3 | 0 | 3 | None |
| | SE-*** | Software Engineering Elective-VI | | | 2 | 0 | 2 | None |
| | SE-L*** | Software Engineering Elective-VI Lab | | | 0 | 3 | 1 | None |
| | SE-407 | Internet of Things | | | 3 | 0 | 3 | None |
| | SE405b | Final Year Project | | | 0 | 9 | 3 | None |
| | | Total Contact Hours | | | 10 | 15 | -- | |
| | | Total Credit Hours | | | -- | -- | 15 | |

Total Credit Hours: 133

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



DEPARTMENT OF ELECTRICAL ENGINEERING



Chairman

Prof. Dr. Imran Khan PhD. (Thailand)

Semester Coordinator

Dr. Fazal Muhammad PhD. (Pakistan)

Professors

Prof. Dr. Imran Khan PhD. (Thailand)

Assistant Professors

Dr. Sheraz Khan PhD. (Thailand)
Dr. Fazal Muhammad PhD. (Pakistan)
Dr. Ajmal Farooq PhD. (China)
Dr. Muhammad Ali PhD. (China)

Lecturers

Dr. Gul Rukh PhD. (Pakistan)
Dr. Irfan Khan PhD. (USA)
Dr. Jawad Ali PhD. (Pakistan)
Dr. Haseeb A. Khan PhD. (Pakistan)
Engr. Hamza Ahmad MSc. (Pakistan) (On study leave)
Engr. Mahum Pervez MSc. (Pakistan) (On study leave)
Engr. Khadim Ullah Jan MSc. (Pakistan) (On study leave)
Engr. Sadia Jabeen Siddiqi MSc. (Pakistan) (On study leave)

Shared Faculty

Dr. M. Abbas Mahmood Associate Professor, PhD. (Thailand)
Dr. Murtaza Ali Bangash Associate Professor, PhD. (Pakistan)
Dr. Mushtaq Ahmad Khan Lecturer, PhD. (China)
Mrs. Shazia Habib Lecturer, MSc. (Pakistan)
Mrs. Naznina Hakim Khan Lecturer, MA (Pakistan)

Lab Engineers

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

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.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.

3.Academic Programs

The Department of Electrical Engineering offers the following programs:

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

- Power Engineering
- Communications Engineering

M.Sc Electrical Engineering with specializations in:

- Power Systems and Control Engineering
- Communication and Electronics Engineering

PhD Electrical Engineering

- Power Systems and Control Engineering
- Communication and Electronics Engineering

4.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.

5.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.

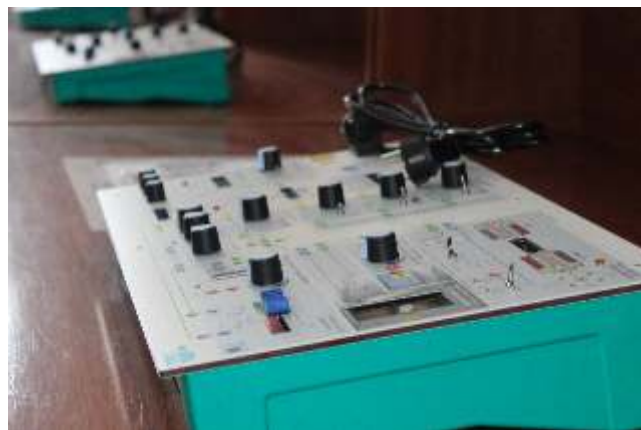
PLO 8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

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 multidisciplinary environment.

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



6. 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.



7. 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:

1. Artificial Intelligence
2. Machine learning
3. Internet of Things
4. Cognitive Radios
5. Mobile Computing
6. Signal Processing
7. Wireless Communication
8. Smart Grids
9. Blockchain Technology
10. Energy Storage
11. Rural Distribution Grids
12. Renewable and Hybrid Energies
13. Power Electronics

8. 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 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
2. Computer Lab
3. Control Systems Lab
4. Microcontroller Lab
5. Workshop Technology Lab
6. High Voltage Engineering Lab
7. Digital Electronics Lab (Shared)

| Semester | Course Code | Course Title | Contact Hours | | Total Cr. Hrs. | Pre-requisite |
|-----------------|---------------------|--|---------------|-----|----------------|---------------|
| | | | Theory | Lab | Total | Course Code |
| 1 st | BSH-110 | Functional English | 2 | 0 | 2 | None |
| | BSH-130 | Calculus and Analytical Geometry | 3 | 0 | 3 | None |
| | CS-101 | Information and Communication Technologies | 2 | 0 | 2 | None |
| | CS-101L | Information and Communication Technologies Lab | 0 | 3 | 1 | None |
| | EE-101 | Linear Circuit Analysis | 3 | 0 | 3 | None |
| | EE-101L | Linear Circuit Analysis Lab | 0 | 3 | 1 | None |
| | BSH-101 | Islamic Studies | 2 | 0 | 2 | None |
| | BSH-102 | Pakistan Studies | 2 | 0 | 2 | None |
| | CE-117 | Occupational Health and Safety (IDEE-I) | 1 | 0 | 1 | None |
| | Total Contact Hours | | 15 | 6 | -- | |
| | Total Credit Hours | | 15 | 2 | 17 | |
| | | | | | | |

| Semester | Course Code | Course Title | Contact Hours | | Total Cr. Hrs. | Pre-requisite |
|-----------------|---------------------|-----------------------------------|---------------|-----|----------------|---------------|
| | | | Theory | Lab | Total | Course Code |
| 2 nd | BSH-230 | Differential Equations | 3 | 0 | 3 | None |
| | BSH-132 | Linear Algebra | 3 | 0 | 3 | None |
| | EE-111L | Workshop Practice | 0 | 3 | 1 | None |
| | BSH-121 | Electricity and Magnetism | 3 | 0 | 3 | None |
| | BSH-121L | Electricity and Magnetism Lab | 0 | 3 | 1 | None |
| | CS-102 | Introduction to Programming | 3 | 0 | 3 | None |
| | CS-102L | Introduction to Programming Lab | 0 | 3 | 1 | None |
| | EE-113 | Electronic Devices & Circuits | 3 | 0 | 3 | None |
| | EE-13L | Electronic Devices & Circuits Lab | 0 | 3 | 1 | |
| | Total Contact Hours | | 15 | 12 | -- | |
| | Total Credit Hours | | 15 | 4 | 19 | |
| | | | | | | |

| Semester | Course Code | Course Title | Contact Hours | | Total Cr. Hrs. | Pre-requisite |
|-----------------|---------------------|---------------------------------------|---------------|-----|----------------|---------------|
| | | | Theory | Lab | Total | Course Code |
| 3 rd | BSH-232 | Complex Variables and Transforms | 3 | 0 | 3 | None |
| | BSH-210 | Communication and Presentation Skills | 2 | 0 | 2 | None |
| | EE-201 | Digital Logic Design | 3 | 0 | 3 | None |
| | EE-201L | Digital Logic Design Lab | 0 | 3 | 1 | None |
| | EE-202L | Engineering Drawing | 0 | 3 | 1 | None |
| | EE-203 | Data Structures and Algorithms | 3 | 0 | 3 | CS-102 |
| | EE-203L | Data Structures and Algorithms Lab | 0 | 3 | 1 | CS-102L |
| | EE-204 | Electrical Network Analysis | 3 | 0 | 3 | EE-101 |
| | EE-204L | Electrical Network Analysis Lab | 0 | 3 | 1 | EE-101L |
| | Total Contact Hours | | 14 | 12 | -- | |
| | Total Credit Hours | | 14 | 4 | 18 | |
| | | | | | | |

| Semester | Course Code | Course Title | Contact Hours | | Total Cr. Hrs. | Pre-requisite |
|-----------------|---------------------|--|---------------|-----|----------------|---------------|
| | | | Theory | Lab | Total | Course Code |
| 4 th | BSH-XXX | Humanities and Social Sciences Elective-I | 3 | 0 | 3 | None |
| | BSH-231 | Numerical Analysis (Natural Sciences Elective-I) | 3 | 0 | 3 | None |
| | EE-211 | Introduction to Embedded Systems | 3 | 0 | 3 | EE-201 |
| | EE-211L | Introduction to Embedded Systems Lab | 0 | 3 | 1 | EE-201L |
| | EE-212 | Probability Methods in Engineering | 3 | 0 | 3 | None |
| | EE-213 | Signals and Systems | 3 | 0 | 3 | BSH-232 |
| | EE-213L | Signals and Systems Lab | 0 | 3 | 1 | BSH-232 |
| | Total Contact Hours | | 15 | 6 | -- | |
| | Total Credit Hours | | 15 | 2 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Total Cr. Hrs. | Pre-requisite |
|-----------------|---------------------|---------------------------------|---------------|-----|----------------|---------------|
| | | | Theory | Lab | Total | Course Code |
| 5 th | EE-301 | Electrical Machines | 3 | 0 | 3 | None |
| | EE-301L | Electrical Machines Lab | 0 | 3 | 1 | None |
| | EE-302 | Electromagnetic Field Theory | 3 | 0 | 3 | BSH-232 |
| | EE-303 | Communication Systems | 3 | 0 | 3 | EE-213 |
| | EE-303L | Communication Systems Lab | 0 | 3 | 1 | EE-213L |
| | EE-304 | Linear Control Systems | 3 | 0 | 3 | BSH-232 |
| | EE-304L | Linear Control Systems Lab | 0 | 3 | 1 | BSH-232 |
| | ME-305 | Engineering Mechanics (IDEE-II) | 3 | 0 | 3 | None |
| | Total Contact Hours | | 15 | 9 | -- | |
| | Total Credit Hours | | 15 | 3 | 18 | |

24

www.uetmardan.edu.pk

| Semester | Course Code | Course Title | Contact Hours | | Total Cr. Hrs. | Pre-requisite |
|-----------------|---------------------|--|---------------|-----|----------------|---------------|
| | | | Theory | Lab | Total | Course Code |
| 6 th | BSH-301 | Technical Writing | 3 | 0 | 3 | None |
| | BSH-XXX* | Humanities and Social Sciences Elective-II | 3 | 0 | 3 | None |
| | EE-31X* | Breadth Core-I | 3 | 3 | 4 | ** |
| | EE-31X* | Breadth Core-II | 3 | 3 | 4 | ** |
| | BSH-XXX* | Management Elective -I | 3 | 0 | 3 | None |
| | Total Contact Hours | | 15 | 6 | -- | |
| | Total Credit Hours | | 15 | 2 | 17 | |



| Semester | Course Code | Course Title | Contact Hours | | Total Cr. Hrs. | Pre-requisite |
|-----------------|---------------------|----------------------|---------------|-----|----------------|---------------|
| | | | Theory | Lab | Total | Course Code |
| 7 th | EE-4XX* | Depth Elective-I | 3 | 3 | 4 | ** |
| | EE-4XX* | Depth Elective-II | 3 | 3 | 4 | ** |
| | EE-4XX* | Depth Elective-III | 3 | 3 | 4 | ** |
| | EE-499 | Final Year Project-I | 0 | 9 | 3 | None |
| | Total Contact Hours | | 9 | 18 | -- | |
| | Total Credit Hours | | 9 | 6 | 15 | |
| | | | | | | |

25

www.uetmardan.edu.pk

| Semester | Course Code | Course Title | Contact Hours | | Total Cr. Hrs. | Pre-requisite |
|-----------------|---------------------|--|---------------|----------|----------------|---------------|
| | | | Theory | Lab | Total | Course Code |
| 8 th | XX*-XXX* | IDEE III | 3 | 0/3*** | 3/4*** | None |
| | EE-4XX* | Depth Elective-IV | 3 | 0/3*** | 3/4*** | ** |
| | EE-4XX* | Depth Elective-V | 3 | 3/0*** | 4/3*** | ** |
| | BSH-440 | Management Elective -II (Entrepreneurship) | 2 | 0 | 2 | None |
| | EE-499 | Final Year Project-II | 0 | 9 | 3 | None |
| | Total Contact Hours | | 11 | 12/15*** | -- | |
| | Total Credit Hours | | 11 | 4/5*** | 15/16*** | |

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



Chairman

Engr. Prof. Dr. Sadiq Ullah

Ph. D. (UK)

Semester Coordinator

Engr. Usman Ali

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. Shagufta Naz

M. Sc. (Pakistan)

Engr. Dr. Sahib Khan

Ph.D (Italy)

Lecturers

Engr. Dr. Sajjad Ali

Ph. D. (Pakistan)

Engr. Usman Ali

M. Sc. (Pakistan)

Engr. Humaira Rehman (On Leave)

M. Sc. (Pakistan)

Engr. Wasi Ur Rehman Khan (On Study Leave)

M. Sc. (Pakistan)

Engr. Mareena Karim

B. Sc. (Pakistan)

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 (On Study Leave)

M. Sc. (Pakistan)

Mrs. Naznina Hakim Khan

M. A. (Pakistan)

Miss. Saba Hassan

M. Phil (Pakistan)

Mr. Khyber Khan Khattak

M. Phil (Pakistan)

Miss. Nida Tariq

M. Phil (Pakistan)

Lab Engineers

Engr. Rizwan Ullah

M. Sc. (Pakistan)

Engr. Abdur Rahman Mashal

M. Sc. (Pakistan)

Engr. Waleed Shihzad

M. Sc. (Pakistan)

1.INTRODUCTION

The field of Telecommunication Engineering is evolving rapidly with new technological standards introduced with the passage of time. Look back 20 years in the past, when a few of us had a mobile phone, our internet connection, in general, was not as powerful as required by the then text based websites and when none of us could be a part of any social networks. Most of us now spend more



time in the world of virtual social networks. Our forms of expressions are just a click away through online blogging, Internet of Things (IoT) and YouTube. We are emerging into an age where we are connected 'Anytime, anywhere' through mobile networks by using a high-speed wireless which can be realized by proper planning and realization of the fifth generation (5G) and beyond wireless and mobile communication technologies. The objectives of Telecommunication Engineering Department are formulated to harness most of these challenges and strategies to incorporate all the required skills into the Telecommunication program.

2.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

3.ACADEMIC PROGRAMS

The department offers the following programs.

- 3.1 BSc. Telecommunication Engineering
- 3.2. MSc. Telecommunication Engineering
- 3.3. PhD. Telecommunication Engineering

4.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

5.CAREER OPPORTUNITIES

Graduates can expect career opportunities in a wide range of engineering sectors including mobile and telecom industry, telecom regulatory authorities, frequency allocation board, banking, gas exploration and distribution companies, R & D organization and higher education, Information & Communication Technologies (ICT) sectors, and energy sectors, etc. Telecom engineering graduates are particularly well-switched to work as members or leader of telecom and multi-disciplinary teams. These graduates have the knowledge and skills to propose solutions to complex engineering problems and to design and develop quality Radio Frequency (RF), Microwave and Electronics Systems and products. The graduates of Telecommunication Engineering are trained



on the latest trends and skills related to emerging engineering and IT technologies, which helps them in self-employment via online job opportunities.

An active career liaison office exists in the department which facilitates the graduates in career guidance and placements.

6.RESEARCH

The department is actively pursuing research in the following areas:

- 1. Antenna Design: Systems and Architecture
- 2. Electromagnetic Radio Wave Propagation
- 3. Millimeter-and submillimeter-wave propagation
- 4. Microwave Engineering
- 5. Metamaterial and Metasurfaces
- 6. 5G Multiple-Input Multiple-Output (MIMO) Antennas
- 7. Cooperative and Cognitive Communications
- 8. Mobile and Satellite Communication
- 9. Digital Signal Processing
- 10. Signal Information Processing



- 11. Digital Image and Video Processing
- 12. Radar Engineering
- 13. Plasmonic/Tera Hertz/ Nano Antennas
- 14. EMC and Interference Studies
- 15. Network Security
- 16. Mobile Adhoc Networks

7.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)

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req. |
|-----------------|---------------------|--|---------------|-----|--------------|----------|
| | | | Theory | Lab | Total | |
| 1 st | BSH-101 | Islamic Studies | 2 | 0 | 2 | None |
| | BSH-102 | Pakistan Studies | 2 | 0 | 2 | None |
| | BSH-110 | Functional English | 2 | 0 | 2 | None |
| | BSH-130 | Calculus and Analytical Geometry | 3 | 0 | 3 | None |
| | CS-101 | Information and Communication Technologies | 2 | 0 | 2 | None |
| | CS-101L | Information and Communication Technologies (Lab) | 0 | 3 | 1 | None |
| | CS-102 | Computer Programming | 3 | 0 | 3 | None |
| | CS-102L | Computer Programming (Lab) | 0 | 3 | 1 | None |
| | CE-117 | Occupational Health and Safety | 1 | 0 | 1 | None |
| | Total Contact Hours | | 15 | 06 | -- | |
| | Total Credit Hours | | 15 | 02 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req. |
|-----------------|---------------------|---|---------------|-----|--------------|----------|
| | | | Theory | Lab | Total | |
| 2 nd | TE-101 | Circuit Analysis | 3 | 0 | 3 | None |
| | TE-101L | Circuit Analysis (Lab) | 0 | 3 | 1 | None |
| | TE-102L | Electric Workshop (Lab) | 0 | 3 | 1 | None |
| | TE-103 | Object Oriented Programming | 3 | 0 | 3 | None |
| | TE-103L | Object Oriented Programming (Lab) | 0 | 3 | 1 | None |
| | TE-104L | Computer Aided Engineering Design (Lab) | 0 | 3 | 1 | None |
| | BSH-120 | Applied Physics | 2 | 0 | 2 | None |
| | BSH-120L | Applied Physics (Lab) | 0 | 3 | 1 | None |
| | BSH-211 | Communication Skills | 2 | 0 | 2 | None |
| | BSH-230 | Differential Equations | 3 | 0 | 3 | None |
| | Total Contact Hours | | 13 | 15 | -- | |
| | Total Credit Hours | | 13 | 5 | 18 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req. |
|-----------------|---------------------|-----------------------------------|---------------|-----|--------------|----------|
| | | | Theory | Lab | Total | |
| 3 rd | TE-201 | Electrical Network Analysis | 3 | 0 | 3 | TE-101 |
| | TE-201L | Electrical Network Analysis (Lab) | 0 | 3 | 1 | None |
| | TE-202 | MDE Elective I | 2 | 0 | 2 | None |
| | TE-202L | MDE Elective I (Lab) | 0 | 3 | 1 | None |
| | TE-203 | Digital Logic Design | 3 | 0 | 3 | None |
| | TE-203L | Digital Logic Design (Lab) | 0 | 3 | 1 | None |
| | BSH-142 | Linear Algebra | 3 | 0 | 3 | None |
| | BSH-342 | Engineering Economics | 2 | 0 | 2 | None |
| | Total Contact Hours | | 13 | 09 | -- | |
| | Total Credit Hours | | 13 | 3 | 16 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req. |
|-----------------|---------------------|--|---------------|-----|--------------|----------|
| | | | Theory | Lab | Total | |
| 4 th | TE-204 | Electronic Devices and Circuits | 3 | 0 | 3 | None |
| | TE-204L | Electronic Devices and Circuits (Lab) | 0 | 3 | 1 | None |
| | TE-205 | Signals and Systems | 3 | 0 | 3 | BSH-230 |
| | TE-206 | Microprocessors and Microcontrollers | 3 | 0 | 3 | TE-203 |
| | TE-206L | Microprocessors and Microcontrollers (Lab) | 0 | 3 | 1 | None |
| | BSH-131 | Multivariable Calculus | 3 | 0 | 3 | None |
| | BSH-233 | Probability and Statistics | 3 | 0 | 3 | None |
| | Total Contact Hours | | 15 | 06 | -- | |
| | Total Credit Hours | | 15 | 2 | 17 | |

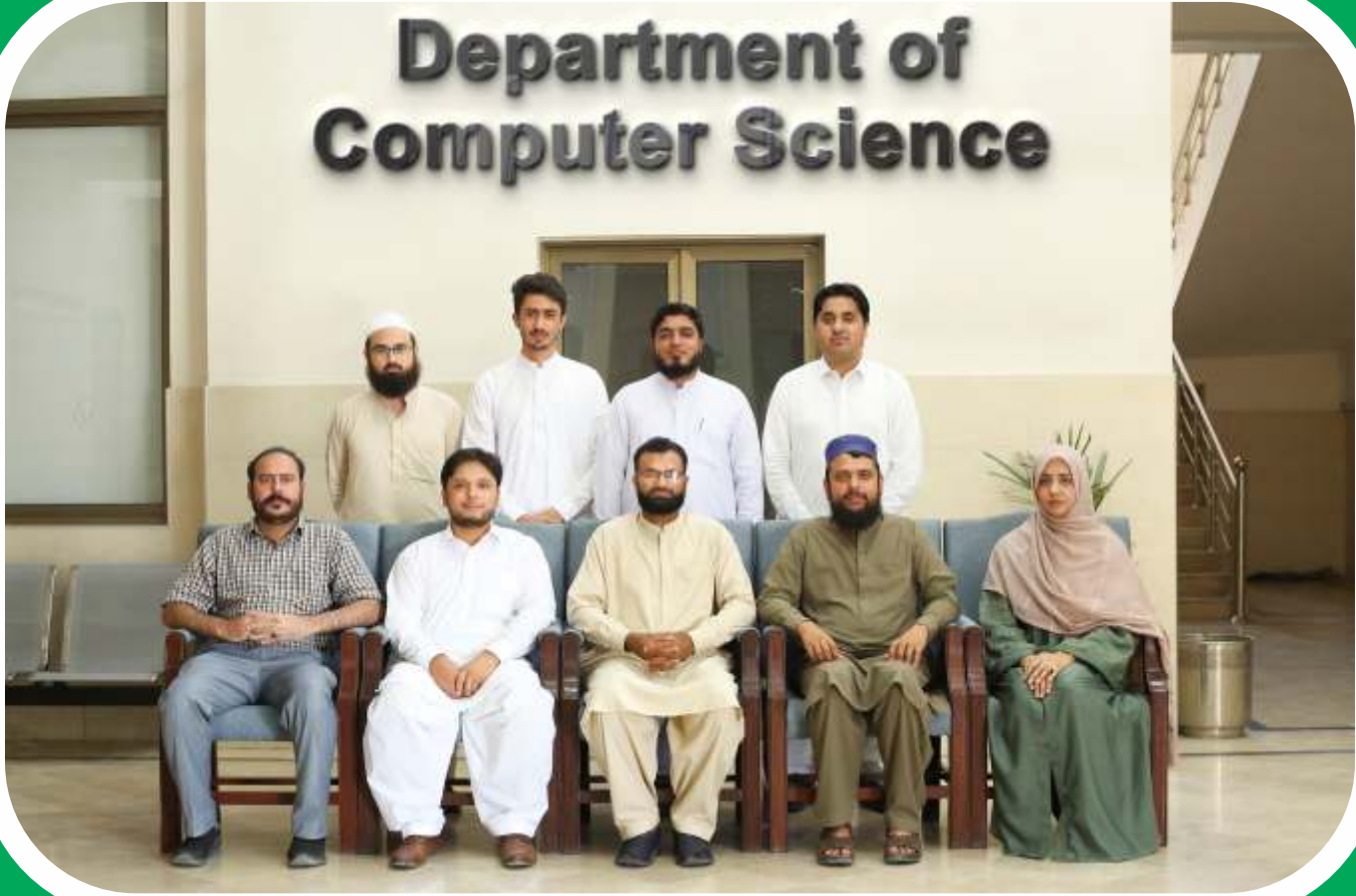
| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req. |
|-----------------|---------------------|--|---------------|-----|--------------|----------|
| | | | Theory | Lab | Total | |
| 5 th | TE-301 | Electromagnetic Theory | 3 | 0 | 3 | BSH-131 |
| | TE-302 | Communication Systems | 3 | 0 | 3 | BSH-233 |
| | TE-302L | Communication Systems (Lab) | 0 | 3 | 1 | None |
| | TE-303 | MDE Elective II | 2 | 0 | 2 | None |
| | TE-303L | MDE Elective II (Lab) | 0 | 3 | 1 | None |
| | TE-304 | Computer Communication Networks | 3 | 0 | 3 | None |
| | TE-304L | Computer Communication Networks (Lab) | 0 | 3 | 1 | None |
| | BSH-213 | Technical Report Writing and Presentation Skills | 2 | 0 | 2 | None |
| | BSH-XXX | Social Sciences Elective | 2 | 0 | 2 | None |
| | Total Contact Hours | | 15 | 09 | -- | |
| | Total Credit Hours | | 15 | 3 | 18 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req. |
|-----------------|---------------------|-------------------------------------|---------------|-----|--------------|----------|
| | | | Theory | Lab | Total | |
| 6 th | TE-305 | Digital Communications | 3 | 0 | 3 | TE-302 |
| | TE-305L | Digital Communications (Lab) | 0 | 3 | 1 | None |
| | TE-306 | Antennas and Wave Propagation | 3 | 0 | 3 | TE-301 |
| | TE-306L | Antennas and Wave Propagation (Lab) | 0 | 3 | 1 | None |
| | TE-307 | Control Systems | 2 | 0 | 2 | None |
| | TE-307L | Control Systems (Lab) | 0 | 3 | 1 | None |
| | TE-308 | Digital Signal Processing | 3 | 0 | 3 | TE-205 |
| | TE-308L | Digital Signal Processing (Lab) | 0 | 3 | 1 | None |
| | BSH-346 | Project Management | 3 | 0 | 3 | None |
| | Total Contact Hours | | 14 | 12 | -- | |
| | Total Credit Hours | | 14 | 4 | 18 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req. |
|-----------------|---------------------|--|---------------|-----|--------------|----------|
| | | | Theory | Lab | Total | |
| 7 th | TE-401 | Final Year Design Project-I | 0 | 9 | 3 | None |
| | TE-402 | Microwave Engineering | 3 | 0 | 3 | TE-306 |
| | TE-402L | Microwave Engineering (Lab) | 0 | 3 | 1 | None |
| | TE-403 | Optical Fiber Communications | 3 | 0 | 3 | None |
| | TE-403L | Optical Fiber Communications (Lab) | 0 | 3 | 1 | None |
| | TE-404 | Emerging Wireless Technologies and RF Planning | 2 | 0 | 2 | None |
| | TE-405 | MDE Elective III | 2 | 0 | 2 | None |
| | TE-405L | MDE Elective III (Lab) | 0 | 3 | 1 | None |
| | Total Contact Hours | | 10 | 18 | -- | |
| | Total Credit Hours | | 10 | 6 | 16 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req. |
|--------------------------|---------------------|------------------------------------|---------------|-----|--------------|----------|
| | | | Theory | Lab | Total | |
| 8 th | TE-401 | Final Year Design Project-II | 0 | 9 | 3 | None |
| | TE-406 | Transmission and Switching Systems | 3 | 0 | 3 | None |
| | TE-407 | MBC Depth Elective I | 3 | 0 | 3 | None |
| | TE-408 | MBC Depth Elective II | 3 | 0 | 3 | None |
| | BSH-231 | Numerical Analysis | 2 | 0 | 2 | None |
| | BSH-440 | Entrepreneurship | 2 | 0 | 2 | None |
| | Total Contact Hours | | 13 | 9 | -- | |
| | Total Credit Hours | | 13 | 3 | 16 | |
| Grand Total Credit Hours | | | 108 | 28 | 136 | |

DEPARTMENT OF COMPUTER SCIENCE



Faculty

Chairman

Prof. Dr. Muhammad Usman

PhD. (South Korea)

Semester Coordinator

Mr. Mian Saeed Akbar

MS (Pakistan)

Professors

Prof. Dr. Muhammad Usman

PhD. (South Korea)

Assistant Professors

Dr. Shams ur Rahman

PhD. (South Korea)

Dr. Najeeb Ullah

PhD. (Italy)

Dr. Tariq Sadad

PhD. (Pakistan)

Dr. Inayat Khan

PhD. (Pakistan)

Dr. RazaUllah Khan

PhD. (China)

Lecturers

Mr. Muhammad Faisal Abrar

MSc. (Pakistan)

Mr. Mian Saeed Akbar

MS (Pakistan)

Mr. Kaleem Nawaz Khan

MS (Pakistan)

Mr. Shehzad Ahmad

MS (China)

Mr. Hamid Ullah

MS (Pakistan)

Miss. Faiza Tila

MS (South Korea)

34

www.uetmardan.edu.pk

1.INTRODUCTION

Computer Science, Artificial Intelligence, and Data Science 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, and Data Science, and 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.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.

3.Program Educational Objectives (PEOs)

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.Program Learning Outcomes (PLOs)

The Program Learning Outcomes (PLOs) of BS 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 Team Work: 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

5.Academic Programs

The Department Offers BS in Computer Science (with specializations in Artificial Intelligence and Data Science)

The option to choose a specialization

35

www.uetmardan.edu.pk

(Computer Science, Artificial Intelligence or Data Science) 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

6. Career Opportunities

The knowledge and skills gained by a Computer Science graduate are highly valued in the modern age. The rapidly increasing scope of Computer Science is creating for its graduates a wide range of opportunities in many different industries such as software houses, data warehouses, multinational companies, governmental agencies, universities, healthcare institutions etc. Computer Science graduates can work as IT consultants, applications programmers, sales and business developers, cybersecurity consultants, information security specialists, information systems managers, database administrators, multimedia programmers, systems analysts, games developers etc. The graduates of computer science can start their careers in various public and private national and multinational organizations, some notable names among which are NADRA, Pakistan Software Export Board, IT boards of all provinces, Technology parks, e-commerce companies (such as Amazon, OLX, Daraz,



Alibaba, etc.) and tech companies (such as Meta (Facebook, WhatsApp), Google and Microsoft etc.

7. Research

The department is actively pursuing research in the following areas:

1. Human-Computer Interaction (HCI)
2. Agile Software Development
3. Semantic Web
4. Web Preservation
5. Artificial Intelligence and Machine Learning
6. Software-Defined Networking (SDN)
7. Communication Networks
8. Internet of Things (IoT)
9. Cloud Computing
- 6 Laboratories

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

1. Computing Lab
2. Digital Electronics Lab
3. Data Science Lab
4. Data Structures and AI Lab
5. Networks Lab
- 7 Degree Requirements

For obtaining Bachelor of Science degree in Computer Science or Computer Science with specializations in Artificial Intelligence or Data Science, a student has to complete at least 130 credit hours with a CGPA of 2.0 or above.

BS Computer Science

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|--|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 1 st | CS-101 | Information & Communication Technologies | 2 | 0 | 2 | None |
| | CS-101L | Information & Communication Technologies Lab | 0 | 3 | 1 | None |
| | CS-102 | Computer Programming | 3 | 0 | 3 | None |
| | CS-102L | Computer Programming Lab | 0 | 3 | 1 | None |
| | BSH-112 | Functional English | 3 | 0 | 3 | None |
| | BSH-130 | Calculus & Analytical Geometry | 3 | 0 | 3 | None |
| | BSH-101 | Islamic Studies | 2 | 0 | 2 | None |
| | BSH-102 | Pak Studies | 2 | 0 | 2 | None |
| Total | | | 15 | 6 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|-------------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 2 nd | CS-103 | Digital Logic Design | 3 | 0 | 3 | None |
| | CS-103L | Digital Logic Design Lab | 0 | 3 | 1 | None |
| | CS-104 | Object Oriented Programming | 3 | 0 | 3 | CS-102 |
| | CS-104L | Object Oriented Programming Lab | 0 | 3 | 1 | CS-102 |
| | CS-105 | Discrete Structures | 3 | 0 | 3 | None |
| | BSH-132 | Linear Algebra | 3 | 0 | 3 | None |
| | BSH-210 | Communication & Presentation Skills | 3 | 0 | 3 | None |
| Total | | | 15 | 6 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|---|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 3 rd | CS-201 | Data Structure & Algorithms | 3 | 0 | 3 | CS-102 |
| | CS-201L | Data Structure & Algorithms Lab | 0 | 3 | 1 | CS-102 |
| | CS-202 | Computer Organization & Assembly Language | 3 | 0 | 3 | None |
| | CS-202L | Computer Organization & Assembly Language Lab | 0 | 3 | 1 | None |
| | CS-203 | Database Systems | 3 | 0 | 3 | None |
| | CS-203L | Database Systems Lab | 0 | 3 | 1 | None |
| | BSH-230 | Differential Equations | 3 | 0 | 3 | None |
| | BSH-201 | Professional Practices | 3 | 0 | 3 | None |
| Total | | | 15 | 9 | 18 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|---------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 4 th | CS-204 | Design & Analysis of Algorithms | 3 | 0 | 3 | CS-201 |
| | CS-205 | Artificial Intelligence | 3 | 0 | 3 | None |
| | CS-205L | Artificial Intelligence Lab | 0 | 3 | 1 | None |
| | CS-206 | Computer Networks | 3 | 0 | 3 | None |
| | CS-206L | Computer Networks Lab | 0 | 3 | 1 | None |
| | BSH-233 | Probability & Statistics | 3 | 0 | 3 | None |
| | BSH-** | University Elective-I | 3 | 0 | 3 | None |
| | Total | | 15 | 6 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|-------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 5 th | CS-301 | Operating Systems | 3 | 0 | 3 | None |
| | CS-301L | Operating Systems Lab | 0 | 3 | 1 | None |
| | CS-302 | Software Engineering | 3 | 0 | 3 | None |
| | CS-303 | Information Security | 3 | 0 | 3 | None |
| | CS-304 | Theory of Automata | 3 | 0 | 3 | None |
| | BSH-231 | Numerical Computing | 2 | 0 | 2 | None |
| | BSH-231L | Numerical Computing Lab | 0 | 3 | 1 | None |
| | Total | | 14 | 6 | 16 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|--------------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 6 th | CS-305 | Parallel & Distributed Computing | 2 | 0 | 2 | CS-301 |
| | CS-305L | Parallel & Distributed Computing Lab | 0 | 3 | 1 | CS-301 |
| | CS-306 | Compiler Construction | 3 | 0 | 3 | CS-304 |
| | CS-307 | Graph Theory | 3 | 0 | 3 | None |
| | CS-** | CS Elective-I | 3 | 0 | 3 | *** |
| | BSH-312 | Technical & Business Writing | 3 | 0 | 3 | None |
| | BSH-** | University Elective-II | 3 | 0 | 3 | None |
| | Total | | 17 | 3 | 18 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|--------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 7 th | CS-401 | Final Year Project | 0 | 9 | 3 | None |
| | CS-402 | Web Design and Development | 2 | 0 | 2 | None |
| | CS-402L | Web Design and Development Lab | 0 | 3 | 1 | None |
| | CS-** | CS Elective-II | 3 | 0 | 3 | *** |
| | CS-** | CS Elective-III | 3 | 0 | 3 | *** |
| | CS-** | CS Elective-IV | 3 | 0 | 3 | *** |
| | Total | | 11 | 12 | 15 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|--------------------------|-------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 8 th | CS-401 | Final Year Project | 0 | 9 | 3 | None |
| | CS-** | CS Elective-V | 3 | 0 | 3 | *** |
| | BSH-** | University Elective-III | 3 | 0 | 3 | None |
| | BSH-** | University Elective -IV | 3 | 0 | 3 | None |
| | Total | | 9 | 9 | 12 | -- |
| | Grand Total Credit Hours | | 130* | | | |

BS Computer Science (Specialization in Artificial Intelligence)

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|--|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 1 st | CS-101 | Information & Communication Technologies | 2 | 0 | 2 | None |
| | CS-101L | Information & Communication Technologies Lab | 0 | 3 | 1 | None |
| | CS-102 | Computer Programming | 3 | 0 | 3 | None |
| | CS-102L | Computer Programming Lab | 0 | 3 | 1 | None |
| | BSH-112 | Functional English | 3 | 0 | 3 | None |
| | BSH-130 | Calculus & Analytical Geometry | 3 | 0 | 3 | None |
| | BSH-101 | Islamic Studies | 2 | 0 | 2 | None |
| | BSH-102 | Pak Studies | 2 | 0 | 2 | None |
| | Total | | 15 | 6 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|-------------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 2 nd | CS-103 | Digital Logic Design | 3 | 0 | 3 | None |
| | CS-103L | Digital Logic Design Lab | 0 | 3 | 1 | None |
| | CS-104 | Object Oriented Programming | 3 | 0 | 3 | CS-102 |
| | CS-104L | Object Oriented Programming Lab | 0 | 3 | 1 | CS-102 |
| | CS-105 | Discrete Structures | 3 | 0 | 3 | None |
| | BSH-132 | Linear Algebra | 3 | 0 | 3 | None |
| | BSH-210 | Communication & Presentation Skills | 3 | 0 | 3 | None |
| | Total | | 15 | 6 | 17 | -- |



| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|---|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 3 rd | CS-201 | Data Structure & Algorithms | 3 | | 3 | CS-102 |
| | CS-201L | Data Structure & Algorithms Lab | 0 | 3 | 1 | CS-102 |
| | CS-202 | Computer Organization & Assembly Language | 3 | 0 | 3 | None |
| | CS-202L | Computer Organization & Assembly Language Lab | 0 | 3 | 1 | None |
| | CS-203 | Database Systems | 3 | 0 | 3 | None |
| | CS-203L | Database Systems Lab | 0 | 3 | 1 | None |
| | BSH-230 | Differential Equations | 3 | 0 | 3 | None |
| | BSH-201 | Professional Practices | 3 | 0 | 3 | None |
| | Total | | 15 | 9 | 18 | -- |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|---------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 4 th | CS-204 | Design & Analysis of Algorithms | 3 | 0 | 3 | CS-201 |
| | CS-205 | Artificial Intelligence | 3 | 0 | 3 | None |
| | CS-205L | Artificial Intelligence Lab | 0 | 3 | 1 | None |
| | CS-206 | Computer Networks | 3 | 0 | 3 | None |
| | CS-206L | Computer Networks Lab | 0 | 3 | 1 | None |
| | BSH-233 | Probability & Statistics | 3 | 0 | 3 | None |
| | BSH-** | University Elective-I | 3 | 0 | 3 | None |
| | Total | | 15 | 6 | 17 | -- |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|---|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 5 th | CS-301 | Operating Systems | 3 | 0 | 3 | None |
| | CS-301L | Operating Systems Lab | 0 | 3 | 1 | None |
| | CS-302 | Software Engineering | 3 | 0 | 3 | None |
| | CS-303 | Information Security | 3 | 0 | 3 | None |
| | AI-304 | Knowledge Representation & Reasoning | 3 | 0 | 3 | None |
| | AI-305 | Programming for Artificial Intelligence | 2 | 0 | 2 | CS-205 |
| | AI-305L | Programming for Artificial Intelligence Lab | 0 | 3 | 1 | CS-205 |
| | Total | | 14 | 6 | 16 | -- |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|--------------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 6 th | CS-305 | Parallel & Distributed Computing | 2 | 0 | 2 | CS-301 |
| | CS-305L | Parallel & Distributed Computing Lab | 0 | 3 | 1 | CS-301 |
| | AI-306 | Artificial Neural Networks | 2 | 0 | 2 | None |
| | AI-306L | Artificial Neural Networks Lab | 0 | 3 | 1 | None |
| | AI-307 | Machine Learning | 2 | 0 | 2 | None |
| | AI-307L | Machine Learning Lab | 0 | 3 | 1 | None |
| | AI-** | AI Elective-I | 3 | 0 | 3 | *** |
| | BSH-312 | Technical & Business Writing | 3 | 0 | 3 | None |
| | BSH-** | University Elective-II | 3 | 0 | 3 | None |
| | Total | | 15 | 9 | 18 | -- |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|-----------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 7 th | CS-401 | Final Year Project | 0 | 9 | 3 | None |
| | AI-401 | Computer Vision | 2 | 0 | 2 | None |
| | AI-401L | Computer Vision Lab | 0 | 3 | 1 | None |
| | AI-402 | Natural Language Processing | 3 | 0 | 3 | None |
| | AI-** | AI Elective-II | 3 | 0 | 3 | *** |
| | BSH-** | University Elective-III | 3 | 0 | 3 | None |
| | Total | | 11 | 12 | 15 | -- |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|--------------------------|-------------|------------------------|---------------|------|--------------|---------|
| | | | Theory | Lab | | |
| 8 th | CS-401 | Final Year Project | 0 | 9 | 3 | None |
| | AI-** | AI Elective-III | 3 | 0 | 3 | *** |
| | AI-** | AI Elective-IV | 3 | 0 | 3 | *** |
| | BSH-** | University Elective-IV | 3 | 0 | 3 | None |
| | Total | | 9 | 9 | 12 | -- |
| Grand Total Credit Hours | | | | 130* | | |



BS Computer Science (Specialization in Data Science)

42

www.uetmardan.edu.pk

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|--|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 1 st | CS-101 | Information & Communication Technologies | 2 | 0 | 2 | None |
| | CS-101L | Information & Communication Technologies Lab | 0 | 3 | 1 | None |
| | CS-102 | Computer Programming | 3 | 0 | 3 | None |
| | CS-102L | Computer Programming Lab | 0 | 3 | 1 | None |
| | BSH-112 | Functional English | 3 | 0 | 3 | None |
| | BSH-130 | Calculus & Analytical Geometry | 3 | 0 | 3 | None |
| | BSH-101 | Islamic Studies | 2 | 0 | 2 | None |
| | BSH-102 | Pak Studies | 2 | 0 | 2 | None |
| | Total | | 15 | 6 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|-------------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 2 nd | CS-103 | Digital Logic Design | 3 | 0 | 3 | None |
| | CS-103L | Digital Logic Design Lab | 0 | 3 | 1 | None |
| | CS-104 | Object Oriented Programming | 3 | 0 | 3 | CS-102 |
| | CS-104L | Object Oriented Programming Lab | 0 | 3 | 1 | CS-102 |
| | CS-105 | Discrete Structures | 3 | 0 | 3 | None |
| | BSH-132 | Linear Algebra | 3 | 0 | 3 | None |
| | BSH-210 | Communication & Presentation Skills | 3 | 0 | 3 | None |
| | Total | | 15 | 6 | 17 | -- |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|---|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 3 rd | CS-201 | Data Structure & Algorithms | 3 | 0 | 3 | CS-102 |
| | CS-201L | Data Structure & Algorithms Lab | 0 | 3 | 1 | CS-102 |
| | CS-202 | Computer Organization & Assembly Language | 3 | 0 | 3 | None |
| | CS-202L | Computer Organization & Assembly Language Lab | 0 | 3 | 1 | None |
| | CS-203 | Database Systems | 3 | 0 | 3 | None |
| | CS-203L | Database Systems Lab | 0 | 3 | 1 | None |
| | BSH-230 | Differential Equations | 3 | 0 | 3 | None |
| | BSH-201 | Professional Practices | 3 | 0 | 3 | None |
| | Total | | 15 | 9 | 18 | -- |

43

www.uetmardan.edu.pk

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|---------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 4 th | CS-204 | Design & Analysis of Algorithms | 3 | 0 | 3 | CS-201 |
| | CS-205 | Artificial Intelligence | 3 | 0 | 3 | None |
| | CS-205L | Artificial Intelligence Lab | 0 | 3 | 1 | None |
| | CS-206 | Computer Networks | 3 | 0 | 3 | None |
| | CS-206L | Computer Networks Lab | 0 | 3 | 1 | None |
| | BSH-233 | Probability & Statistics | 3 | 0 | 3 | None |
| | BSH-** | University Elective-I | 3 | 0 | 3 | None |
| | Total | | 15 | 6 | 17 | -- |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|----------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 5 th | CS-301 | Operating Systems | 3 | 0 | 3 | None |
| | CS-301L | Operating Systems Lab | 0 | 3 | 1 | None |
| | CS-302 | Software Engineering | 3 | 0 | 3 | None |
| | CS-303 | Information Security | 3 | 0 | 3 | None |
| | DS-304 | Advance Statistics | 3 | 0 | 3 | BSH-341 |
| | DS-305 | Introduction to Data Science | 2 | 0 | 2 | None |
| | DS-305L | Introduction to Data Science Lab | 0 | 3 | 1 | None |
| | Total | | 14 | 6 | 16 | -- |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|--|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 6 th | CS-305 | Parallel & Distributed Computing | 2 | 0 | 2 | CS-301 |
| | CS-305L | Parallel & Distributed Computing Lab | 0 | 3 | 1 | CS-301 |
| | DS-306 | Data Mining | 2 | 0 | 2 | DS-305 |
| | DS-306L | Data Mining Lab | 0 | 3 | 1 | DS-305 |
| | DS-307 | Data Warehousing & Business Intel. | 2 | 0 | 2 | None |
| | DS-307L | Data Warehousing & Business Intel. Lab | 0 | 3 | 1 | None |
| | DS-** | DS Elective-I | 3 | 0 | 3 | *** |
| | BSH-312 | Technical & Business Writing | 3 | 0 | 3 | None |
| | BSH-** | University Elective-II | 3 | 0 | 3 | None |
| | Total | | 15 | 9 | 18 | -- |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|-----------------|-------------|-------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 7 th | CS-401 | Final Year Project | 0 | 9 | 3 | None |
| | DS-401 | Big Data Analytics | 2 | 0 | 2 | None |
| | DS-401L | Big Data Analytics Lab | 0 | 3 | 1 | None |
| | DS-402 | Data Visualization | 2 | 0 | 2 | None |
| | DS-402L | Data Visualization Lab | 0 | 3 | 1 | None |
| | DS-** | DS Elective-II | 3 | 0 | 3 | *** |
| | BSH-** | University Elective-III | 3 | 0 | 3 | None |
| | Total | | 10 | 15 | 15 | -- |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre Req |
|--------------------------|-------------|------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 8 th | CS-401 | Final Year Project | 0 | 9 | 3 | None |
| | DS-** | DS Elective-III | 3 | 0 | 3 | *** |
| | DS-** | DS Elective-IV | 3 | 0 | 3 | *** |
| | BSH-** | University Elective-IV | 3 | 0 | 3 | None |
| | Total | | 9 | 9 | 12 | -- |
| Grand Total Credit Hours | | | 130* | | | |

* Minimum total credit hours are 130 assuming that all Elective courses are 3-credit hours, whereas the maximum total credit hours will be 135 assuming that all Elective courses are 4-credit hours. The actual total credit hours will be in the range 130-135 depending on the offering of 3 or 4 credit hours Elective course(s).

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

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

- 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 in a semester from the list of electives in each domain based on the availability of instructor, market trend and fulfilling the required number of students’ registrations.
 - iii. Theory and Lab are treated as separate courses.
 - iv. Lab courses have “L” at the end of Course Code.

Assessment of Lab Courses

| S.No. | Category | Percentage | Assessment Mechanism |
|-------|------------------------------|------------|---|
| 1 | Sessional Marks | 50 | <ul style="list-style-type: none"> To be assessed through Lab work, lab tasks, assignments, quizzes, presentations, semester projects etc. Marks will be awarded by the instructor. |
| 2 | Practical Examination | 25 | <ul style="list-style-type: none"> To be jointly assessed by the instructor & external examiner through practical task at the end of the semester (before viva-voce). The instructor and the external examiner each will grant marks out of 12.5. |
| 3 | Viva-Voce (Oral Examination) | 25 | <ul style="list-style-type: none"> To be jointly assessed by the instructor & external examiner through viva-voce (oral examination) at end of the semester. The instructor and the external examiner each will grant marks out of 12.5. |

DEPARTMENT OF CIVIL ENGINEERING



Chairman

Dr. Muhammad Alam Ph.D. (Italy)

Semester Coordinator

Engr. Usama Ali M.Sc. (Pakistan)

OBE Coordinator

Engr. Muhammad Raheel M.Sc. (Pakistan)

Assistant Professors

Dr. Muhammad Alam Ph.D. (Italy)

Lecturers

Engr. Usama Ali M.Sc. (Pakistan)

Engr. Muhammad Raheel M.Sc. (Pakistan)

Engr. Wasim Karam M.Sc. (Pakistan)

Lab Engineers

Engr. Hazrat Bilal M.Sc. (Pakistan)

Engr. Haris Khan M.Sc. (Pakistan)

Engr. Muhammad Sheraz B.Sc. (Pakistan)

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)

Miss. Saba Hassan Lecturer, M.Phil. (Pakistan)

Mr. Khyber Khan Khattak Lecturer, M.Phil. (Pakistan)



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.
- Awareness of new techniques in construction practices.
- Development of critical thinking skills necessary for innovation.
- Building research and communication skills.
- Enhance students' understanding through project based learning.

2. Academic Programs

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

3.1. B.Sc. Civil Engineering

3. 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.

4.Program Educational Objectives for Department of Civil Engineering

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.



5.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.

6. 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.

7. 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. Construction Materials & Testing Lab
2. Engineering Surveying Lab
3. Soil Mechanics & Highway Engineering Lab
4. Public health Engineering Lab
5. Structural Engineering Lab
6. Hydraulics Lab
7. Drawing Lab
8. Computer/Simulation Lab
9. Electro-Mechanical Engineering Lab (Shared)



Scheme of Studies

| Semester | Course Code | Course Title | Contact Hours | | Credit Hrs. | Pre-Req |
|-----------------|---------------------|----------------------------------|---------------|-----|-------------|---------|
| | | | Theory | Lab | | |
| 1 st | CE-112 | Civil Engineering Materials | 2 | - | 2 | None |
| | CE-112L | Civil Engineering Materials Lab | - | 3 | 1 | None |
| | BSH-110 | Functional English | 2 | - | 2 | None |
| | BSH-130 | Calculus and Analytical Geometry | 3 | - | 3 | None |
| | BSH-101 | Islamic Studies | 2 | 0 | 2 | None |
| | BSH-102 | Pakistan Studies | 2 | 0 | 2 | None |
| | CS-102 | Computer Programming | 3 | - | 3 | None |
| | CS-102L | Computer Programming Lab | - | 3 | 1 | None |
| | CE-117 | Occupational Health & Safety | 1 | - | 1 | None |
| | Total Contact Hours | | 15 | 6 | | |
| | Total Credit Hours | | 15 | 2 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hrs. | Pre-Req |
|-----------------|---------------------|--|---------------|-----|-------------|---------|
| | | | Theory | Lab | | |
| 2 nd | CE-202 | Engineering Surveying | 2 | - | 2 | None |
| | CE-202L | Engineering Surveying Lab | - | 3 | 1 | None |
| | CE-115 | Basic Electro-Mechanical Engineering | 2 | - | 2 | None |
| | CE-115L | Basic Electro-Mechanical Engineering Lab | - | 3 | 1 | None |
| | CE-226 | Engineering Geology | 2 | - | 2 | None |
| | CE-111 | Engineering Mechanics | 3 | - | 3 | None |
| | CE-111L | Engineering Mechanics Lab | - | 3 | 1 | None |
| | BSH-230 | Differential Equations | 3 | - | 3 | None |
| | CE-211 | Engineering Drawing | 1 | - | 1 | None |
| | CE-211L | Engineering Drawing Lab | - | 3 | 1 | None |
| | Total Contact Hours | | 13 | 12 | | |
| | Total Credit Hours | | 13 | 4 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hrs. | Pre-Req |
|-----------------|---------------------|------------------------------------|---------------|-----|-------------|---------|
| | | | Theory | Lab | | |
| 3 rd | CE-314 | Advanced Engineering Surveying | 2 | - | 2 | CE-202 |
| | CE-314L | Advanced Engineering Surveying Lab | - | 3 | 1 | CE-202 |
| | CE-201 | Fluid Mechanics | 3 | - | 3 | None |
| | CE-201L | Fluid Mechanics Lab | - | 3 | 1 | None |
| | CE-213 | Soil Mechanics | 3 | - | 3 | None |
| | CE-213L | Soil Mechanics Lab | - | 3 | 1 | None |
| | CE-216 | Mechanics of Solids-I | 2 | - | 2 | CE-111 |
| | CE-216L | Mechanics of Solids-I Lab | - | 3 | 1 | CE-111 |
| | BSH-231 | Numerical Analysis | 3 | - | 3 | None |
| | Total Contact Hours | | 13 | 12 | | |
| | Total Credit Hours | | 13 | 4 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hrs. | Pre-Req |
|-----------------|----------------------------|------------------------------------|---------------|----------|-------------|---------|
| 4 th | CE-326 | Construction Engineering | 3 | - | 3 | None |
| | CE-214 | Structural Analysis-I | 3 | - | 3 | CE-111 |
| | CE-312 | Civil Engg. Drawing & Graphics | 1 | - | 1 | CE-211 |
| | CE-312L | Civil Engg. Drawing & Graphics Lab | - | 3 | 1 | CE-211 |
| | BSH-233 | Probability & Statistics | 3 | - | 3 | None |
| | CE-307 | Advanced Fluid Mechanics | 3 | - | 3 | CE-201 |
| | CE-307L | Advanced Fluid Mechanics Lab | - | 3 | 1 | CE-201 |
| | BSH-212 | Professional Ethics | 2 | - | 2 | None |
| | Total Contact Hours | | 15 | 6 | | |
| | Total Credit Hours | | 15 | 2 | 17 | |

50

www.uetmardan.edu.pk

| Semester | Course Code | Course Title | Contact Hours | | Credit Hrs. | Pre-Req |
|-----------------|----------------------------|---|---------------|----------|-------------|---------|
| 5 th | BSH-211 | Communication skills | 2 | - | 2 | None |
| | CE-405 | Geotechnical & Foundation Engineering | 3 | - | 3 | CE-213 |
| | CE-405L | Geotechnical & Foundation Engineering Lab | - | 3 | 1 | CE-213 |
| | CE-317 | Mechanics of Solid-II | 2 | - | 2 | CE-216 |
| | CE-317L | Mechanics of Solid-II Lab | - | 3 | 1 | CE-216 |
| | CE-321 | Engineering Hydrology | 2 | - | 2 | None |
| | CE-321L | Engineering Hydrology Lab | - | 3 | 1 | None |
| | CE-318 | Structural Analysis-II | 3 | - | 3 | CE-214 |
| | CE-309 | Transportation Engineering-I | 3 | - | 3 | None |
| | Total Contact Hours | | 15 | 9 | | |
| | Total Credit Hours | | 15 | 3 | 18 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hrs. | Pre-Req |
|-----------------|----------------------------|-----------------------------------|---------------|----------|-------------|---------|
| 6 th | CE-308 | Reinforced Concrete Design-I | 3 | - | 3 | None |
| | CE-308L | Reinforced Concrete Design-I Lab | - | 3 | 1 | None |
| | CE-407 | Transportation Engineering-II | 3 | - | 3 | None |
| | CE-407L | Transportation Engineering-II Lab | - | 3 | 1 | None |
| | CE-305 | Environmental Engineering-I | 2 | - | 2 | None |
| | CE-305L | Environmental Engineering-I Lab | - | 3 | 1 | None |
| | CE-330 | Architecture & Town Planning | 3 | - | 3 | None |
| | CE-302 | Quantity & Cost Estimation | 3 | - | 3 | None |
| | Total Contact Hours | | 14 | 9 | | |
| | Total Credit Hours | | 14 | 3 | 17 | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hrs. | Pre-Req |
|-----------------|----------------------------|--|---------------|-----------|-------------|---------|
| 7 th | BSH-410 | Organizational Behaviour | 2 | - | 2 | None |
| | BSH-342 | Engineering Economics | 2 | - | 2 | None |
| | CE-424 | Hydraulics & Irrigation Engineering | 3 | - | 3 | CE-307 |
| | CE-424L | Hydraulics & Irrigation Engineering Lab | - | 3 | 1 | CE-307 |
| | CE-329 | Reinforced Concrete Design-II | 3 | - | 3 | CE-308 |
| | CE-329L | Reinforced Concrete Design-II Lab | - | 3 | 1 | CE-308 |
| | BSH-213 | Technical Report Writing and Presentation Skills | 2 | - | 2 | None |
| | CE-499 | Civil Engineering Project | - | 9 | 3 | |
| | Total Contact Hours | | 12 | 15 | | |
| | Total Credit Hours | | 12 | 5 | 17 | |

51

www.uetmardan.edu.pk

| Semester | Course Code | Course Title | Contact Hours | | Credit Hrs. | Pre-Req |
|-----------------|----------------------------|--------------------------------|---------------|-----------|-------------|---------|
| 8 th | CE-422 | Construction Management | 3 | - | 3 | None |
| | CE-406 | Environmental Engineering-II | 2 | - | 2 | CE-305 |
| | CE-425 | Steel Structures | 3 | - | 3 | None |
| | CE-331 | Geo Informatics | 1 | - | 1 | None |
| | CE-331L | Geo Informatics Lab | - | 3 | 1 | None |
| | BSH-422 | Hazard and Disaster Management | 3 | - | 3 | None |
| | CE-499 | Civil Engineering Project | - | 9 | 3 | None |
| | Total Contact Hours | | 12 | 12 | | |
| | Total Credit Hours | | 12 | 4 | 16 | |



DEPARTMENT OF NATURAL SCIENCES & HUMANITIES

52

www.uetmardan.edu.pk



Faculty

Chairman

Dr. M. Abbas Mahmood

Ph.D. (Thailand)

Associate Professors

Dr. M. Abbas Mahmood

Ph.D. (Thailand)

Dr. Murtaza Ali

PhD. (Pak)

Assistant Professors

Dr. Ikram Ullah

PhD. (Pak)

Dr. Nadeem Jan

PhD. (Pak)

Lecturers

Dr. Mushtaq Ahmed

PhD. (China)

Mrs. Shazia Habib

M. Phil (Pak) (On

Study Leave)

Mrs. Naznina Hakim

M.A. (Pak)

Mr. Khyber Khan Khattak

M. Phil. (Pak)

Ms. Saba Hassan

M.Phil. (Pak)

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.



53

www.uetmardan.edu.pk



2. Academic Programs

The Department offers the following Programs:

- 3.1. BS English
- 3.2. MS Mathematics

3. Vision

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

4. Introduction (BS English)

The newly inducted program of BS English at University of Engineering and Technology Mardan is structuralized in such a diverse manner to cater for the needs of the potential employment markets and is flexible enough for the student's interests. This program will offer students with sophisticated writing and critical thinking skills useful not only in the academy but in the world at large. In the program, the literature is blended with the study of English language with the aim of improving the linguistic and pedagogical competence. The program will prepare students with diverse competence of English, so that students can chose it as a career in language teaching, literature teaching, media, language planning, freelancing, content writing, applied linguistics, diplomacy, or jobs where interpretive communication skills are required. The program will not only enhance the core communication skills such as

reading, speaking, listening, and writing but also optimize a conducive environment for the development.

5.Mission

The program of English will endeavour 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.

6. Aim and Objectives

The BS English Program aims at developing and enhancing English language learning in its broader context and producing competent language learners for the global world. It also aims to develop the understanding of forms of literary expressions (fiction, drama, prose, novel, and non-fiction) as well as linguistics and rhetorical skills.

The program of BS English will:

1. Acquaint the students with courses from different fields to advance transdisciplinary thinking
2. Offer an organized way to investigating and exploring issues in Literature & Linguistics.
3. Create and nurture the culture of research-based education
4. Assist the understudies with framing a sound reason for higher learning



Scheme of Studies

| Semester | Course Code | Course Title | Credit Hours | Pre-requisite |
|-----------------|-------------|---------------------------------------|--------------|---------------|
| 1 st | 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 Credit Hours | 17 | |

| Semester | Course Code | Course Title | Credit Hours | Pre-requisite |
|-----------------|-------------|---------------------------------------|--------------|---------------|
| 2 nd | 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 Credit Hours | 17 | |

| Semester | Course Code | Course Title | Credit Hours | Pre-requisite |
|-----------------|-------------|--|--------------|---------------|
| 3 rd | 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 Credit Hours | 18 | |

| Semester | Course Code | Course Title | Credit Hours | Pre-requisite |
|-----------------|-------------|--|--------------|---------------|
| 4 th | 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 (18 th to 19 th century) | 3 | None |
| | | Total Credit Hours | 18 | |

| Semester | Course Code | Course Title | Credit Hours | Pre-requisite |
|-----------------|-------------|--|--------------|---------------|
| 5 th | 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 Credit Hours | 18 | |

| Semester | Course Code | Course Title | Credit Hours | Pre-requisite |
|-----------------|-------------|---------------------------|--------------|---------------|
| 6 th | 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 Credit Hours | 18 | |

| Semester | Course Code | Course Title | Credit Hours | Pre-requisite |
|-----------------|-------------|-------------------------------------|--------------|---------------|
| 7 th | 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 Credit Hours | 15 | |

| Semester | Course Code | Course Title | Credit Hours | Pre-requisite |
|-----------------|-------------|-------------------------------------|--------------|---------------|
| 8 th | 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 Credit Hours | 15 | |

Total Credit Hours: 136

DEPARTMENT OF MECHANICAL ENGINEERING



Chairman

| | |
|----------------------|---------------------|
| Engr. Dr. Asad ullah | Ph.D. (South Korea) |
| Assistant Professors | |
| Engr. Dr. Asad ullah | Ph.D. (South Korea) |

Lecturers

| | |
|---------------------------|------------------|
| Engr. Afnan Haider Khan | M.Sc. (Pakistan) |
| Engr. Abdul Samad Saleem | M.Sc. (Pakistan) |
| Engr. Muhammad Ishaq Khan | M.Sc. (Pakistan) |

Lab Engineers

| | |
|-----------------------------|------------------|
| Engr. Abdul Hameed Khan | M.Sc. (Pakistan) |
| Engr. Mushaf ur Rehman Khan | M.Sc. (Pakistan) |

Shared Faculty

| | |
|-------------------------|-------------------|
| 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) |

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 developmentrad degree awarding programs of its own through its highly qualified and experienced faculty.



2. 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

3. Academic Programs

The department offers the following programs.

- 1.1. B.Sc. Mechanical Engineering

4. Program Educational Objectives (PEOs)

PEO-1: Ability to exhibit knowledge and technical skills to develop and solve engineering problems.

PEO-2: Acquire good communication skills,

leadership ability and with an ability to work as effective team member.

PEO-3: Exhibit a sense of responsibility to serve society / community and to possess ethical conduct.

PEO-4: To pursue continuous personal and professional improvements while working towards a successful career in the field of Mechanical Engineering

5. 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.

6.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

7.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



60

www.uetmardan.edu.pk

- 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



Scheme of Studies

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req |
|----------|---------------------|--------------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 1st | BSH101 | Islamic Studies | 2 | 0 | 2 | None |
| | BSH110 | Functional English | 2 | 0 | 2 | None |
| | BSH120 | Applied Physics | 2 | 0 | 2 | None |
| | BSH120L | Applied Physics Lab | 0 | 3 | 1 | None |
| | BSH122 | Applied Chemistry | 2 | 0 | 2 | None |
| | BSH130 | Calculus and Analytical Geometry | 3 | 0 | 3 | None |
| | CS102 | Computer Programming | 3 | 0 | 3 | None |
| | CS102L | Computer Programming Lab | 0 | 3 | 1 | None |
| | ME101 | Engineering Drawing and Graphics | 1 | 0 | 1 | None |
| | ME101L | Engineering Drawing and Graphics Lab | 0 | 3 | 1 | None |
| | Total Credit Hours | | 15 | 3 | 18 | |
| | Total Contact Hours | | 15 | 9 | -- | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req |
|----------|---------------------|----------------------------------|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 2nd | ME102 | Engineering Mechanics-I: Statics | 3 | 0 | 3 | None |
| | ME103L | Computer Aided Design | 0 | 6 | 2 | None |
| | ME104 | Engineering Materials | 3 | 0 | 3 | None |
| | ME105L | Workshop Practice | 0 | 6 | 2 | None |
| | EE120 | Basic Electrical Engineering | 2 | 0 | 2 | None |
| | EE120L | Basic Electrical Engineering Lab | 0 | 3 | 1 | None |
| | BSH131 | Multivariable Calculus | 3 | 0 | 3 | BSH140 |
| | BSH211 | Communication Skills | 2 | 0 | 2 | None |
| | Total Credit Hours | | 13 | 5 | 18 | |
| | Total Contact Hours | | 13 | 15 | -- | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req |
|----------|---------------------|--|---------------|-----|--------------|---------|
| | | | Theory | Lab | | |
| 3rd | ME201 | Engineering Mechanics-II: Dynamics | 3 | 0 | 3 | ME102 |
| | ME201L | Engineering Mechanics Lab | 0 | 3 | 1 | None |
| | ME202 | Mechanics of Materials-I | 3 | 0 | 3 | None |
| | ME203 | Thermodynamics-I | 3 | 0 | 3 | None |
| | BSH102 | Pakistan Studies | 2 | 0 | 2 | None |
| | BSH230 | Differential Equations | 3 | 0 | 3 | BSH140 |
| | BSH301 | Technical Report Writing and Presentation Skills | 2 | 0 | 2 | None |
| | Total Credit Hours | | 16 | 1 | 17 | |
| | Total Contact Hours | | 16 | 3 | -- | |

61

www.uetmardan.edu.pk

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req |
|-----------------|-------------|-----------------------------|---------------|----------|--------------|---------|
| | | | Theory | Lab | | |
| 4 th | EE113 | Electronics Engineering | 2 | 0 | 2 | None |
| | EE113L | Electronics Engineering Lab | 0 | 3 | 1 | None |
| | ME204 | Mechanics of Materials-II | 3 | 0 | 3 | ME202 |
| | ME204L | Mechanics of Materials Lab | 0 | 3 | 1 | None |
| | ME205 | Thermodynamics-II | 3 | 0 | 3 | ME203 |
| | ME205L | Thermodynamics Lab | 0 | 3 | 1 | None |
| | ME206 | Fluid Mechanics-I | 3 | 0 | 3 | None |
| | BSH233 | Probability and Statistics | 3 | 0 | 3 | None |
| | | Total Credit Hours | 14 | 3 | 17 | |
| | | Total Contact Hours | 14 | 9 | -- | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req |
|-----------------|-------------|-------------------------------------|---------------|----------|--------------|---------|
| | | | Theory | Lab | | |
| 5 th | ME301 | Mechanics of Machines | 3 | 0 | 3 | None |
| | ME302 | Fluid Mechanics-II | 3 | 0 | 3 | ME206 |
| | ME302L | Fluid Mechanics Lab | 0 | 3 | 1 | None |
| | ME303 | Machine Design-I | 3 | 0 | 3 | None |
| | ME304 | Instrumentation and Measurement | 2 | 0 | 2 | None |
| | ME304L | Instrumentation and Measurement Lab | 0 | 3 | 1 | None |
| | ME305 | Heat and Mass Transfer | 3 | 0 | 3 | None |
| | BSHXXX | Social Sciences Elective | 2 | 0 | 2 | None |
| | | Total Credit Hours | 16 | 2 | 18 | |
| | | Total Contact Hours | 16 | 6 | -- | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req |
|-----------------|-------------|---|---------------|----------|--------------|---------|
| | | | Theory | Lab | | |
| 6 th | ME307 | Machine Design-II | 2 | 0 | 2 | ME303 |
| | ME308 | Control Engineering | 3 | 0 | 3 | None |
| | ME308L | Control Engineering Lab | 0 | 3 | 1 | None |
| | ME309 | Heating, Ventilation and Air Conditioning | 3 | 0 | 3 | ME305 |
| | ME309L | Heat Transfer and HVAC Lab | 0 | 3 | 1 | None |
| | ME310 | Manufacturing Processes | 3 | 0 | 3 | None |
| | ME310L | Manufacturing Processes Lab | 0 | 3 | 1 | None |
| | ME3XX | Technical Elective-I | 2 | 0 | 2 | None |
| | BSH342 | Engineering Economics | 2 | 0 | 2 | None |
| | | Total Credit Hours | 15 | 3 | 18 | |
| | | Total Contact Hours | 15 | 9 | -- | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req |
|-----------------|-------------|---|---------------|-----------|--------------|---------|
| | | | Theory | Lab | | |
| 7 th | ME401 | Mechanical Vibrations | 3 | 0 | 3 | None |
| | ME401L | Mechanisms and Mechanical Vibration Lab | 0 | 3 | 1 | None |
| | ME402 | Internal Combustion Engines | 3 | 0 | 3 | ME205 |
| | ME499 | Senior Design Project-I | 0 | 9 | 3 | None |
| | ME4XX | Technical Elective-II | 2 | 0 | 2 | None |
| | BSH234 | Numerical Computation | 2 | 0 | 2 | None |
| | BSH234L | Numerical Computation Lab | 0 | 3 | 1 | None |
| | BSHXXX | Occupational Health and Safety | 1 | 0 | 1 | None |
| | | Total Credit Hours | 11 | 5 | 16 | |
| | | Total Contact Hours | 11 | 15 | -- | |

| Semester | Course Code | Course Title | Contact Hours | | Credit Hours | Pre-Req |
|-----------------|-------------|---|---------------|-----------|--------------|---------|
| | | | Theory | Lab | | |
| 8 th | ME403 | Introduction to Finite Element Analysis | 2 | 0 | 2 | None |
| | ME403L | Introduction to Finite Element Analysis Lab | 0 | 3 | 1 | None |
| | ME404 | Power Plants | 3 | 0 | 3 | ME205 |
| | ME404L | IC Engines and Power Plants Lab | 0 | 3 | 1 | None |
| | ME499 | Senior Design Project-II | 0 | 9 | 3 | None |
| | ME4XX | Technical Elective-III | 2 | 0 | 2 | None |
| | BSHXXX | Management Elective | 2 | 0 | 2 | None |
| | | Total Credit Hours | 9 | 5 | 14 | |
| | | Total Contact Hours | 9 | 15 | -- | |



ADMISSION RULES



1 General

Admission to BSc. Engineering, BS Computer Science, and BS English shall be granted on the basis of merit. The allocation of seats in each discipline of UET Mardan is given below:

Table 1: Allocation of Seats 2023-24

| Details | Electrical Engineering | Telecommunication Engineering | Software Engineering | Computer Science | Civil Engineering | Mechanical Engineering | BS English | Total |
|---|------------------------|-------------------------------|----------------------|------------------|-------------------|------------------------|------------|-------|
| Open | 67 | 65 | 35 | 117 | 32 | 32 | 47 | 395 |
| Rationalized | 26 | 6 | 9 | 27 | 14 | 14 | | 96 |
| FATA | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 14 |
| #AJ&K | | 1 | 1 | | | | | 2 |
| #Balochistan | | 1 | 1 | | | | | 2 |
| #Sons/Daughters of UET Mardan employees | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| # Overseas Pakistanis Children | 1 | 1 | 1 | 1 | 1 | 1 | | 6 |
| # Religious Minorities | 3 | 3 | | 2 | | | | 8 |
| TOTAL | 100 | 80 | 50 | 150 | 50 | 50 | 50 | 530 |

For BS Computer Science, FATA candidates are also eligible to apply for Open Merit and Rationalized Schemes, and for BS English, FATA candidates are also eligible to apply for open Schemes.

Erstwhile FATA candidates can only apply for Rationalized schemes in B.Sc engineering programs. If they are applying against the FATA reserved quota seats in the above programs mentioned in Table 1, they may contact the Directorate of Admission UET Peshawar.

Overseas Pakistanis Children and Religious Minorities, candidates can apply for quota seats on Rationalized schemes in B.Sc Engineering programs.

In case there are no applicants for these seats, then seats will be filled with regular applicants on merit as Rationalized seats. Candidates are advised to carefully read the admission rules before filling out the admission forms.

2.Eligibility For Admission

Admission to BSc. Engineering and BS Non-engineering programs shall be open in the following categories:

2.1 Open Merit

Candidates applying for admission to Open Merit seats must meet the following criteria:

(a) They must have Khyber Pakhtunkhwa (settled areas before the FATA merger) 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 2023-24. The Entrance test is valid for one academic year only.

(c) They must possess any one of the following qualifications:

(i) Intermediate (Pre-Engineering) with the subjects of Mathematics, Physics, and Chemistry from a recognized Board of Intermediate and Secondary Education in Pakistan with at least 60% unadjusted marks.

(ii) Intermediate (Pre-Engineering) with the subjects of Mathematics, Physics, and Computer Science/Computer Studies from a recognized Board of Intermediate and Secondary Education in Pakistan with at least 60% unadjusted marks. Such candidates are eligible for admission to all Engineering programs.

(iii) A certificate equivalent to the Intermediate (Pre-Engineering) examination with at least 60% unadjusted marks. Such candidates 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. Pakistani Nationals are further required to have qualified in the subjects of Islamiyat, Pakistan Studies, and Urdu at either SSC or Intermediate levels.

(iv) Candidates other than Afghan nationals who have passed Baccalaureate Grade- 12 Examination Certificate from Afghanistan are ineligible to apply for admission on Open MERIT or any other RESERVED QUOTAS.

(v) Candidates who have passed the Intermediate or equivalent examination and have obtained at least 50% unadjusted marks

in Intermediate/12 years schooling/A-Level (HSSC) or Equivalent with Mathematics or with any of the following combinations are eligible to apply for admission to the BS Computer Science program:

- a. Physics, Mathematics, Chemistry
- b. Physics, Mathematics, Computer Science
- c. Physics, Chemistry, Biology
- (vi) Candidates who have passed Intermediate either Arts or Science subject or equivalent examination and have obtained at least 45% unadjusted marks are eligible to apply for admission to BS English program.

2.2 Quota Seats

Candidates applying against reserved quotas must fulfill the requirement of qualification mentioned in 2.1(c) above and also meet the following criteria:

- (a) They must have domicile in the relevant area and meet the additional conditions of the relevant reserved seats, stated in Section 4.
- (b) Candidates for engineering programs with a domicile of Khyber Pakhtunkhwa/Erstwhile FATA must have appeared in the Entrance Test conducted by Educational Testing & Evaluation Agency (ETEA), the Government of Khyber Pakhtunkhwa, for the Academic Session 2023-24. The Entrance Test is valid for one academic year only.

C. Candidates studying abroad and candidates with 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.

(d) Candidates seeking admission against the AJK reserved seats must belong to AJK and appear in the entrance test (conducted in the current year) by ETEA or Authorized testing Agency nominated/mentioned by PEC for the Academic Session 2023-24.

NOTE: Online applications for admission, complete in all respect, must be submit before the closing dates.

Candidates who have awaiting results must be submit an undertaking to the Directorate of Admission on stamp paper at the time of admission/ interview if F.Sc D.M.C is Not available

3. Application Procedure

3.1 Candidates applying for admission against Open Merit, and University Employees, Sons/Daughters Quota Seats, mentioned in Table 1, are directed to submit online application forms to the Directorate of Admissions, UET Mardan on or before the last date advertised for the purpose. University Employees, Sons/Daughters are also eligible to compete on open merit for which separate application forms will have to be submitted to the Directorate of Admissions on or before the last date. Incomplete applications or applications received after the closing date shall not be entertained.

3.2 Candidates applying for admission against the quota seats allocated for AJK and Balochistan, (mentioned in Table 1) 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.

3.3 Candidates applying for admission against

the erstwhile FATA seats shall submit their applications to UET Peshawar.

3.4 Candidates applying under the categories of Erstwhile FATA, AJK, and Balochistan mentioned in table 1 of seat allocation, are ineligible to compete on open merit basis.

3.5 Candidates, who are eligible to apply for more than one categories, shall submit separate applications on prescribed forms of reserved quotas for each additional category

3.6 Candidates selected for admission shall submit original documents at the time of admission/interview. 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.

3.7 List of required documents (attested photocopies) to be submitted online with Application Forms.

- (a) DMCs of SSC and HSSC/Intermediate Part-I & Part-II (Separate).
- (b) DMC of Additional Mathematics, (if applicable).
- (c) DMCs of Diploma of Associate Engineer (DAE), if applicable.
- (d) Original/Provisional Certificate of SSC and HSSC/DAE.
- (e) Hafiz-e-Quran Certificate from a recognized institution/Wafaqul Madaris (if applicable).
- (f) Domicile Certificate of the Candidate Khyber Pakhtunkhwa.
- (g) Father's/Mother's/Guardian's Computerized National Identity Card.

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

(i) Good Character Certificate from the institute last attended.

3.8 List of original documents to be submitted at the time of admission interview

(a) Detailed Marks Certificate of Intermediate (Pre-Engineering) 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.

(b) 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.

(c) Original/Provisional Certificate of SSC and HSSC/DAE

(d) Detailed Marks Certificates (DMC) of Secondary School or equivalent examination.

(e) Domicile Certificate of the candidate Khyber Pakhtunkhwa.

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

(g) Good Character Certificate from the institute most recently attended by the candidate.

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

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

(j) Income certificate of parents/guardian on prescribed proforma.

(k) Undertaking (on prescribed proforma) on a Non-judicial stamp paper worth Rs.50/- 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).

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

4. Reserved Seats

4.1 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.

4.2 Azad Jammu & Kashmir

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

4.3 Balochistan Province

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

4.4 MINORITIES SEATS Only 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 allocate admission to qualified minority candidates from the merit list. Both the candidate and their father must have a domicile in 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.

4.5 ELIGIBILITY CRITERIA FOR OVERSEAS PAKISTANI FOUNDATION (OPF) STUDENTS:

(a) These seats are reserved for applicants whose parents meet the requirements set by the Overseas Pakistani Foundation. The students who have successfully completed their HSSC examination or an equivalent qualification from a recognized educational institution in Pakistan, with the subjects of p h y s i c s , m a t h e m a t i c , a n d chemistry/Computer science or DAE, and have achieved at least 60% unadjusted marks for BSc. Engineering and at least 50% unadjusted marks for BS Computer Science programs. These candidates should directly apply to UET through the online portal for admission, provided they meet the specified criteria for these quota seats. They should also have passed the ETEA or authorized Testing Agency nominated/mentioned by PEC.

4.6 SEATS FOR OVERSEAS PAKISTANIS OF KHYBER PAKHTUNKHWA DOMICILE (OPF SEATS):

Candidates seeking admission to UET Mardan against the seats reserved for children of overseas Pakistanis are required to apply

through the Ministry of Labour, Manpower and Overseas Pakistanis, Government of Pakistan, Islamabad, in addition to submitting a direct application to the Directorate of Admission at UET Mardan.

a. Candidates, who have passed an examination equivalent to the intermediate level in Pakistan with at least 60% unadjusted marks for BSc. Engineering and at least 50% unadjusted marks for BS Computer Science programs, as recognized by the IBCC, are eligible to apply for admission to BSc Engineering/Computer Science.

b. Applicants must have passed the ETEA with a minimum of 33% marks or authorizes Testing Agency nominated/mentioned by PEC for engineering programs.

c. Candidates must hold the domicile of Khyber Pakhtunkhwa.

d. The candidate's father/mother must possess valid OPF Membership and Foreign Exchange Remittance cards.

e. Candidates seeking admission against the reserved seats must fulfill the requirements specified by the Ministry of Labour and Manpower, Government of Pakistan.

f. The application should be recommended to the Admission Committee of UET Mardan through the relevant Ministry. The Admission Committee of UET Mardan will make the final admission decision based on the prescribed merit within speculated time of admission.

g. OPF candidates from Khyber Pakhtunkhwa and the newly Merged Area Districts (NMAD) applying for these seats can also apply for seats under rationalized scheme and seats specifically allocated for the newly Merged Area Districts (NMAD), respectively.

4.7 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 the Employees son/daughter have got admission to the Session will not be eligible for admission next year.

5. Entrance Test

5.1 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.

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

by PEC, who fulfill either of the following conditions.

(b) Candidates who have passed the Intermediate (Pre-Eng.) examination from a recognized Board of Intermediate and Secondary Education (B.I.S.E.) in Pakistan or any other equivalent examination and have obtained at least 60% unadjusted marks.

(c) Candidates who have appeared in Part-II of the Intermediate (Pre-Engineering) examination and are awaiting their results, are also eligible to appear for the entrance test. However, all other admission conditions will be applicable.

d) As per PEC requirement all the applicants who appeared in the Etea (test-I or test- II) are eligible for admission in engineering programs

e) The ETEA will conduct two tests to accommodate many students in Engineering programs for the Session Fall 2023-24

5.2 Candidates who have passed the Intermediate examination with the subject of Computer Science and intend to apply for admission in all Engineering programs, may take the entrance test in Computer Science as a subject instead of Chemistry.

6. Determination of Merit

6.1 Merit of candidates against open, Rationalized scheme, and reserved seats will be determined according to the following criteria or as per HEC/PEC policy:

(a) Engineering Program

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

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

Note :

i. In case F.Sc Part 2 result is not declared on time, UET Mardan will calculate merit on Matric,F.sc Part 1 and “Entrance Test Score”

ii.. Both merits (open & Rationalized) are calculated separately/independently, no overlapping is allowed in any case and Candidates must select lock or unlock during the admission interview time. 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), 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 qualifies for 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/Madrassa (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/ equivalent examination shall over-ride. 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):

$PFS = ((918-10)/1100) \times 100 = 82.54$

(-10 for Additional Maths or Improvement attempt as given in 6.2 a)

Percent marks in ETEA:

$PET = 605/800 \times 100 = 75.62$

Cumulative Score = $PSS \times 0.1 + PFS \times 0.5 + PET \times 0.4$

$= 75.20 \times 0.1 + 82.54 \times 0.5 + 75.62 \times 0.4$

$= 7.52 + 41.27 + 30.24 = 79.03$

EXAMPLE (NON-ENGINEERING):

Percent marks in SSC:

$PSS = (827/1100) \times 100 = 75.20$

Percent marks in FSc (Adjusted):

$PFS = (918/1100) \times 100 = 83.45$

Cumulative score = $PSS \times 0.3 + PFS \times 0.7$

$= 75.20 \times 0.3 + 83.45 \times 0.7$

$= 22.56 + 58.41 = 80.97$

Note: In case the candidates have not confirmed their seats in open merit list their name will be deleted automatically from the University's next/subsequent open merit list.

7. Admission Procedure

7.1. 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.

7.2. Admission of candidates shall be based on their preference/choice of disciplines given in the application form.

7.3. Provisional merit list will be prepared and displayed on the admission Notice Board of the University and University Website <http://www.uetmardan.edu.pk>. Further University will not be bound to call or Email selected candidates.

7.4. The provisionally selected candidates will be informed through a notification on University's official webpage <http://www.uetmardan.edu.pk> and displayed on the admission Notice Board. It is the responsibility of the candidates to check the admission Notice Board /University's official webpage and appear for an interview on the date announced.

7.5. (a) Candidates can change/update the order of preferences or can Correct/Rectify their data, as per the admission schedule announced by the Director of Admissions by filling the Correction/Rectification Form, available at the Directorate of Admission on payment of Rs. 200/-.

(b) Copy of the previously submitted application form must be attached to the Correction/Rectification Form.

7.6. Selected candidates are required to appear for interview/admission along with their parents /guardians. Candidates will be

required to complete admission formalities on the same date, failing which the seat shall fall vacant.

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

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

7.9. Subsequently revised merit lists will be displayed on the Admission Notice Board/University website. No separate offer letters 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.

7.10 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.

7.11

(a) The admission process, including adjustment of seats, shall be completed before the commencement of the classes. Admissions against the reserved seats will be confirmed upon receiving nominations from the concerned agencies.

(b) Admission of the students on Quota seats (AJK, Erstwhile-FATA, Baluchistan, or any other quota seats approved by the competent authority) will be confirmed upon receiving nominations from the concerned agency.

(c) The Vice-Chancellor on the recommendation of the Admission Committee may allow late admission depending upon the availability of seats up to the fourth week of the commencement of classes.

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

7.12 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.

7.13 Disciplines allotted to candidates at the end of the admission process shall be final and shall not be changed. After closing of admission process Shifting is not allowed, if seat left vacant either open or rationalized scheme.

7.14 No change of Discipline shall be allowed on a mutual basis.

7.15 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.

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

7.17 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 of the University for merit lists and for completing admission formalities within specified time limits otherwise University shall not be bound to entertain/accept online application or give admission after deadline. A call 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.

8. Admission of Foreign Nationals

8.1 Foreign applicants seeking admission should send their applications to the Ministry of Finance and Economic Affairs, Government of Pakistan, Islamabad. A certificate should accompany the application, 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.

8.2 Foreign applicants shall be required to join the University within 15 days from the commencement of classes, failing which their nominations shall be canceled. In case of genuine reasons, the extension may be allowed by the university authorities on the recommendation of the Admission Committee.

8.3 The Higher Education Commission (HEC), Islamabad, shall issue Foreign Students Identity Cards. The students shall return these cards to HEC, Islamabad after completion of their studies.

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

8.5 Afghan Refugees, registered in Pakistan with NADRA, nominated by the Government of Pakistan, Higher Education Commission,

Islamabad against the program, must fulfill 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.

8.6 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.

8.7 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%.

8.8 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.

9. 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.

9.1 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 upto 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 upto 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.

9.2 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.

9.3 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.

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

9.5 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.

9.6 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.

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

9.8 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.

9.9 No migration is allowed on "mutual" basis.

10. Cancellation of Admission

10.1 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.50/- duly attested by an Oath Commissioner. The Chairman of the concerned department shall cancel the admission of the student and notify the same.

10.2 In case, the admission of the 1st-semester student is canceled due to any

reason, the rules regarding University fees/dues chargeable/refundable mentioned in the fee section of the prospectus 2023-24 will be applicable. Whereas in all other cases, all outstanding dues/fees, etc. to date must be paid.

11. Admission In Second Discipline of Bsc. Engineering

11.1 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.

11.2 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.

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

11.3 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.

11.4 Candidates possessing domicile other

Table 2: Programs Available at UET Mardan and eligible diplomas

| 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 Diploma in Electronics 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, Mechatronic s, 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 | Civil Engineering | Diploma of Associate Engineering Civil Technology Architecture, Civil with any specialization, Environmental, Land & Mine Surveying |
| 5 | 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 |

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.

11.5 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.

11.6 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.

11.7 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.

12. Admission of the Candidates Having A Diploma of Associate Engineer

12.1 Eligibility Rules

(a) The applicant should have Khyber Pakhtunkhwa domicile

(b) The applicant should have passed the relevant diploma examination from the Khyber Pakhtunkhwa Board of Technical Education.

(c) The applicant should have passed the diploma examination by obtaining at least 60% unadjusted marks.

(d) Applicants shall not be eligible unless their diplomas are in the relevant technology as specified against each degree course given above.

12.2 Merit Calculation

The merit of candidates will be determined according to the following criteria:

- (a) 10% weightage to Percent marks in SSC Examination
- (b) 50% weightage to Percent marks in DAE Examination (adjusted marks)
- (c) 40% weightage to Percent marks in Entrance Test

12.3 Adjustment of Marks

To determine merit, total marks obtained by a candidate in the DAE 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 & Part-III), candidates will lose 10 marks. However, in any case, the total deduction of marks under this clause shall not exceed 20.

(b) 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 qualifies for 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/Madrassa (Member)
- A college/University teacher teaching the course Islamic Studies (Member)

In case of a tie in any merit position for admission, the total marks obtained in DAE examinations shall over-ride. In case of a further tie, the applicants with higher SSC marks shall get preference.

12.4 Admission Procedure

a. The Directorate of Admissions shall call applications online for admission and process all valid applications submitted.

b. Provisional merit list will be prepared and displayed on the admission Notice Board of the University and University Website <http://www.uetmardan.edu.pk>.

c. The provisionally selected candidates will be informed through a notification on University official web page <http://www.uetmardan.edu.pk> and displayed on the admission Notice Board. It is the responsibility of the candidates to check the admission Notice Board /University's official webpage and appear for an interview on the date announced.

d. (I) Candidates can Correct/Rectify their data, as per the admission schedule announced by the Director of Admissions by filling out the Correction/Rectification Form, available at the Directorate of Admission on payment of Rs. 300/-.

(ii) Copy of the previously submitted application form must be attached to the Correction/Rectification Form.

e. Selected candidates are required to appear for interview/admission along with their

parents /guardians. Candidates will be required to complete admission formalities on the same date, failing which the seat shall fall vacant.

f. Subsequently revised merit lists will be displayed on the Admission Notice Board/University website. No separate offer letters 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.

g. 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.

h. The Vice-Chancellor on the recommendation of the Admission Committee may allow late admission depending upon the availability of seats up to the fourth week of the commencement of classes.

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

i. Within 30 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.

j. 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.

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

l. Any seat falling vacant in the first phase of admission will be offered to the next candidates in order of merit.

m. 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 of the University for merit lists and for completing admission formalities within specified time limits. Offer letters and newspaper advertisements are for the convenience of the applicants only. A call 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.

13. Migration to Other Engineering Universities/Colleges

13.1 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.

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

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

13.4 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.

14. Special Provisions

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

14.2 This prospectus applies to all undergraduate students admitted during the session 2023-24. Any subsequent change/alteration in the rules made by the competent authority shall also be applicable.

14.3 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.

14.4 No student is allowed to maintain simultaneous enrolment in any other program of studies in other educational institutions.

14.5 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 canceled.

14.6 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 canceled. If any incorrect or false statement or suppression of facts is detected after a candidate has been granted admission, his/her admission shall be canceled, 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 fees, funds, and other user 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.

14.7 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.

14.8 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.

14.9 Students are required to know the



rules and regulations mentioned in this prospectus and they will be notified from time to time. Ignorance of rules and regulations does not absolve them of their responsibilities.

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

ADMISSION RULES

(Rationalized Programs)

80

1. General

The University offers admission in the following Rationalized schemes for the Academic Session 2023-24:

Table 3: Seat Allocation for Rationalized Programs

| S. No | Program | Seats |
|-------|------------------------------------|-------|
| 1 | BSc. Electrical Engineering | 26 |
| 2 | BSc. Telecommunication Engineering | 6 |
| 3 | BSc. Computer Software Engineering | 9 |
| 4 | BS Computer Science | 27 |
| 5 | Civil Engineering | 14 |
| 6 | Mechanical Engineering | 14 |
| Total | | 96 |

2. Admission Criteria

2.1 The admission criteria shall remain the same for Engineering Programs, i.e., at least 60% (unadjusted) marks in Intermediate (Pre-Engineering) or equivalent and appearance in the Entrance Test conducted by ETEA (for Khyber Pakhtunkhwa /erstwhile FATA candidates) or Authorizes testing Agency nominated/mentioned by PEC.

2.2 The admission criteria for Computer Science shall be at least 50% marks (unadjusted) in the Intermediate or equivalent.

2.3 Admission against these seats shall be on the basis of merit.

2.4 The University is not liable to provide accommodation in the University Hostels to the students admitted under this scheme.

2.5 Besides the clauses mentioned above, all other relevant clauses given in the Undergraduate Prospectus 2023-24 shall be applicable to this scheme. In case of a conflict with the relevant clauses mentioned elsewhere in the Prospectus, these clauses shall prevail.

Academics & Examination Rules

81

1. BACHELOR'S DEGREE COURSES OFFERED

Bachelor's degree courses in the following disciplines are offered by the University:

- 1.1 Computer Software Engineering
- 1.2 Computer Science
- 1.3 Electrical Engineering
- 1.4 Telecommunication Engineering
- 1.5 Civil Engineering
- 1.6 Mechanical Engineering
- 1.7 BS English

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's degree requirements shall be eight

semesters (4 years) for Engineering and Computer Science 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 degree comprises of Theory Courses, Laboratory Courses, and Final Year Project. 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 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 is meant to provide students a holistic experience of entire Engineering process. 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:

6.1 Pass all the courses of study prescribed in the relevant Scheme of Studies.

6.2 Obtain a Cumulative Grade Point Average (CGPA) of at least 2.0.

6.3 Complete 800 hours duration of relevant practical training in a recognized government, semi-government, or private organization.

For Civil Engineering:

Complete the Survey Camp conducted by the university (to be certified by the Chairman, Department of Civil Engineering/Incharge Survey Camp).

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

7. REGISTRATION

7.1 General

Before the beginning of classes in each Semester, the Departments will announce the courses offered 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.

A student who fails to register in a particular semester shall not be eligible for registration in the next higher semester.

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.

Students enrolled late due to the delay in receiving their nominations from the concerned agencies on 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.

(c) Late admitted students (FATA & Afghan) 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 repeated Courses (over and above the regularly scheduled 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) A student may register for a maximum of credit hours according HEC rule during the summer session.

(d) 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).

(e) 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.

(f) 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 should be notified after Spring Semester with the approval of the competent authority. A student may register for a maximum of credit hours according to HEC rule during the Summer Session. The minimum number of students required for offering a course in the Summer Semester is 10.

7.5 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 gets a semester freeze 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 bodies) which includes the freeze semester(s) duration of studies, shall remain the same.

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

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

B. 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.

8 ATTENDANCE REQUIREMENTS

8.1 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.

8.2 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.

8.3 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

9 EXAMINATION

9.1 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.

9.2 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 other departments.

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

· 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.

· Re-Checking

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

9.5 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 forward the final paper to the controller of examinations.

(iii) Question paper for the examination will be prepared by a neutral /external examiner from the prescribed course.

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

(v) The checking of the scripts will be carried out centrally at UET in designated hall, soon after the examination by the concerned class teachers of all the affiliated colleges and UET.

(vi) The script jointly marked by faculty members of affiliated institutes and UET, Mardan will be listed in separate columns on the script front page with precedence to column marked by faculty members from UET, Mardan.

(vii) In case of deviation of less than 25% in total marks, average of both marking will be awarded to the students.

(viii) If the deviation of more than 25% in total

marks, to be verified by the chairman of relevant Department, UET Mardan, such cases will be referred by Controller of Examination to neutral examiner for the said subject, whose decision will be final.

(ix) Panel of neutral examiners (at least three for each subject) outside UET, Mardan will be submitted by the Chairman of relevant department, UET Mardan for each subject via Controller of Examination. Vice Chancellor will select one neutral examiner from panel of three for each subject and finalized list will be maintained by Controller of Examination.

(x) Grades shall be awarded as per policy described in

(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. The supporting staff shall be appointed by the Controller of Examinations of the UET in consultation with the affiliated colleges.

(c) The Affiliated Colleges shall maintain course file of course to be submitted to the Chairman of the concerned departments on weekly basis. The department's Board of Studies shall also evaluate the course file. The records in course file shall include as following:

(i) Course outline, grading criteria, time table, attendance.

(ii) Assignments, quizzes, exams along with their solution and results.

(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 concerned department 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.

shall be as follows:

10. GRADING

10.1 Distribution of Marks

(a) Theory Courses

The distribution of marks for theory courses

| 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 |

(a) Lab Course

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

| S.No. | Assessment Method | Percentage | Assessment Detail |
|-------|------------------------------|------------|--|
| 1 | Sessional Evaluation | 40 | Lab work/Lab Tasks: Sessional evaluation by the teacher concerned |
| 2 | Mid-Term Evaluation | 20 | Examination to be conducted by the teacher concerned in the week preceding the theory midterm exam week. |
| 3 | Final Term Evaluation | 20 | Exam to be conducted by the teacher concerned before oral examination. |
| 4 | Oral Examination (Viva Voce) | 20 | To be conducted jointly by instructor and external examiner at the end of the session. |

iii. Final Year Project

(i) The capstone 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 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 FYP Rubrics |
| 2. | Progress Presentation (1 st) | • FYP Committee | 10% | |
| 3. | Progress Presentation (2 nd) | • 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 |

(ii) 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.

1.1 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 shall be deemed to have obtained zero marks in the Final Examination. The grade will be awarded based on the student's sessional and midterm marks.

(a) Determining Student Grades
Student Grades in a class shall be determined as below:

- (i) Based on the sessional work, 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 | $50 \leq X < 55$ | D |
| 3 | $55 \leq X < 60$ | D+ |
| 4 | $60 \leq X < 65$ | C- |
| 5 | $65 \leq X < 70$ | C |
| 6 | $70 \leq X < 75$ | C+ |
| 7 | $75 \leq X < 80$ | B- |
| 8 | $80 \leq X < 85$ | B |
| 9 | $85 \leq X < 90$ | B+ |
| 10 | $90 \leq X < 95$ | A- |
| 11 | $95 \leq X \leq 100$ | A |

Note: X represents the Normalised Mark of a student

iv. 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) will not be affected by this procedure.

v. 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.

$SGPA = (\text{Sum of quality points of all courses taken in the semester} / \text{Total credit hours taken in the semester})$

Quality Point (QP) is calculated as follows:
 $QP = \text{Credit hours of the course} \times \text{Grade Points Obtained in the course.}$

Grade points of letter grades are shown in Table 2

$CGPA = (\text{Sum of quality points of all courses taken to date} / \text{Total Credit hours taken in all courses taken to date})$

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

In case a course is repeated, all of the grades obtained shall be reported in their relevant semesters

on the transcript; however, only the best grade shall be used to calculate the CGPA.

vi. 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:

(i) 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, will 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.



vii. 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) Grade I 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 institution. 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.

viii. SPECIAL PROVISIONS

(i) Interpretation of these Academic Rules by the authorized officers 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.

Rules & Regulations

1. RULES AND REGULATIONS

The University Discipline Committee (UDC) established under the Khyber Pakhtunkhwa Universities Model Statues, 2016 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 the 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 their 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 their colleagues.

3.8 show dedication to studies and extra-curricular activities.

3.9 protect government's property.

4. FORBIDDEN AND INDESCIPLINE 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.

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 to fine, suspend, expel or rusticate 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.

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

(c) No fee will be charged from a rusticated student for the duration in which his/her name is struck off the rolls.

(d) If a student is rusticated during a running semester and has paid the University fee for that semester, he/she will have to repeat that semester upon expiry of the rustication period. However, he/she shall not be required to pay the University fee for that semester again.

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, and no fee will be charged from him/her for subsequent months.

(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 will be registered in the University and notified to all Departments and Universities.

6. 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 and reply to the charges framed against him.

7.3 When in the view of the Discipline Committee, the rustication or expulsion is not

| 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/ |

Table 1: Offences and Penalties

called for in a case referred to it, may impose any other penalty or penalties mentioned in the above Regulations.

7. APPEAL

8.1 An appeal in contradiction of the punishment awarded by the University Discipline Committee (UDC) can be made to the Appellate Committee.

8.2 No appeal by a student against the decision of the University Discipline Committee (UDC) shall be entertained unless it is presented within thirty days from the date on which the decision is communicated to him.

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.

8. OFFENCES AND PENALTIES

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

| S. No | OFFENSE | PENALTY |
|-------|---|--|
| 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 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, | Fine not less than Rs. 5,000/- |

| S. No | OFFENSE | PENALTY |
|-------|--|---|
| | ethnic, territorial, religious affiliation, or any other platform. | 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/- |
| 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 “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.

11.2 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.

11.3 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.

11.4 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.

11.5 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.

11.6 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).

11.7 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.

11.8 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.

11.9 PESIGNATED 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.

11.10 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 Inquiry Committee. 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 behavior 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.

11.11 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.

11.12 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.

11.13 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.
- (c) 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.

- (d) 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.
- (e) 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.
- (f) 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.

11.14 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

11.15 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. 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.

11.16 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.

11.17 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.

11.18 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.

3.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.



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 (subsidized) and Non-Subsidized seats are mentioned in Table (1).

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

1.3. Late fee of Rs. 100/- per day (maximum up to 3000/-) will be charged from the students who failed to deposit the University dues/funds within due date for any reason. In case of outstanding dues against any student, he/she shall not be allowed to appear in the examinations.

1.4. The Honorable Vice Chancellor, on the recommendation of the Chairman concerned, may grant extension in payment of dues 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.

1.5. Moreover, He/she may also allow the payment of dues in two instalments. The remission of late fee fine cannot be waived off if extension is not allowed by the Vice Chancellor beyond the extension period

1.6. However, the Competent Authority can waive off late fee fine, on the provision of special case.

1.7. 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 non-production of original dues receipts on demand will be considered as non-deposit of fee.

Table 1

| Admission Fee Break Down | | | | | |
|---|--|----------------------------------|------------------------------|----------------------|--------------------|
| Academic Session (2023-24) | | | | | |
| S.No | Description | Open Merit | | Rationalized Scheme | |
| | | Engineering & Computing Programs | Natural Science & Humanities | Engineering Programs | Computing Programs |
| A | Non-Recurring (Payable at the time of admission only) | | | | |
| 1 | Admission Fee (Non-Refundable) | 6,500 | 6,500 | 6,500 | 6,500 |
| 2 | Students Identity Card Fee | 500 | 500 | 500 | 500 |
| 3 | Verification Fee | 1,000 | 1,000 | 1,000 | 1,000 |
| 4 | Survey Camp Charges (For Civil Engineering only) * | 10,000 | - | 10,000 | - |
| Total Non-Recurring (1-3) | | 8,000 | 8,000 | 8,000 | 8,000 |
| B | Recurring Fee Per Semester | | | | |
| 1 | Tuition Fee | 22,000 | 12,250 | 83,250 | 47,750 |
| 2 | Examination Fee | 2,750 | 2,750 | 2,750 | 2,750 |
| 3 | Laboratory Fee | 4,000 | - | 4,000 | 4,000 |
| 4 | Book Bank Rent | 1,500 | - | 1,500 | 1,500 |
| 5 | CMS Fee | 3,000 | 3,000 | 3,000 | 3,000 |
| 6 | Industrial Tour Fee | 3,000 | 3,000 | 3,000 | 3,000 |
| 7 | Sports Fee | 500 | 500 | 500 | 500 |
| 8 | Club & Societies Fee | 500 | 500 | 500 | 500 |
| 9 | Magazine Fee | 500 | 500 | 500 | 500 |
| 10 | Endowment Fund | 1,000 | 1,000 | 1,000 | 1,000 |
| 11 | Electricity Charges | 5,000 | 5,000 | 5,000 | 5,000 |
| Total Recurring Fee Per Semester (1-11) | | 43,750 | 28,500 | 105,000 | 69,500 |
| Total Fee for First Semester (A + B) | | 51,750 | 36,500 | 113,000 | 77,500 |
| Remaining Per Semester Fee | | 43,750 | 28,500 | 105,000 | 69,500 |
| Grand Total for 4 Years ((A + (B*8)) | | 358,000 | 236,000 | 848,000 | 564,000 |
| * The additional charges will be paid with the fees of 4th Semester of Civil Engineering students only. | | | | | |

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 or Admission Cancellation/leaves the university before completing the first year.

Table (2)

| Description | For Both Open-Merit & Self-Finance (In PKR) |
|--|---|
| Admission Fee | 1,000 |
| Room Rent Charges | 5,000 |
| Service Charges | 3,000 |
| Utility Charges: *Gas Advance Rs.3000/- *Electricity Rs.7000/- | 10,000 |
| Crockery Charges | 1,000 |
| Furniture Charges | 1,000 |
| Contingency Charges | 2,500 |
| CRFAC | 500 |
| Hostel Card | 500 |
| Total | 24,500 |

Table (3)

| Description | For Both Open-Merit & Self-Finance (In PKR) |
|--|---|
| Hostel Security (Refundable/Adjustable) | 5,000 |
| Mess Security (Refundable/Adjustable) | - |
| Total Amount | 5,000 |

3. EXAMINATION & OTHER FEE

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

| S.No. | Items | Amount (In PKR) |
|-------|---|-----------------|
| 1 | Re-appearing Fee for B.Sc (Per Subject) (Non-refundable & Non-adjustable | 2,500 |
| 2 | B.Sc. Engineering/Non-Engineering Degree | 2,000 |
| 3 | Semester Transcript/ D.M.C. (Ordinary) | 500 |
| 4 | Semester Transcript/ D.M.C. (Urgent) | 1,000 |
| 5 | Final Transcript/ Final D.M.C. (Ordinary) Embossed | 1,000 |
| 6 | Final Transcript/ Final D.M.C (Urgent) Embossed | 1,700 |
| 7 | Migration Certificate after study | 1,000 |

| S.No. | Items | Amount (In PKR) |
|---|--|-----------------|
| 8 | Migration Certificate during study | 1,500 |
| 9 | Duplicate Migration Certificate | 3,000 |
| 10 | Duplicate Registration Card | 1,000 |
| 11 | Correction/change in name etc. | 500 |
| 12 | Provisional Certificate | 1,200 |
| 13 | Duplicate Provisional Certificate | 1,500 |
| 14 | Rechecking of scripts per paper | 1,200 |
| 15 | Duplicate Degree | 3,000 |
| 16 | Convocation Fee | 1,500 |
| 17 | Verification Fee (each set) | 1,500 |
| 18 | Semester Freezing Fee | 6,500 |
| 19 | Conversion Certificate | 1,200 |
| 20 | Course registration fee in Summer/Crash Semester (Fee Rs.2000/- per credit hour. | 16,000 |
| 21 | Diploma Certificate Fee | 1,500 |
| 22 | Appeal against the decision of university disciplinary committee | 5,000 |
| 23 | Advance Result | 5,000 |
| 24 | Bonafide Certificate | 1,000 |
| 25 | English Proficiency Certificate | 1,000 |
| 26 | Attested Syllabus | 1,000 |
| 27 | Any other certificate not mentioned above | 1,000 |
| 28 | Examination Late Fee | 1,500 |
| • In case the subject is not offered due to any reason, the fee will be reimbursed to the students on the recommendation of the concerned chairman. | | |
| • Students on employee son/daughter quota are not exempted from fee mentioned in table 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 student have 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 late.

Table (5)

| % of Tuition Fee | Timeline for Semester/Trimester System | Timeline for Annual System |
|--|--|--|
| Full (100%) Fee Refund | Before commencement of classes | Up to 15th day of convene of classes |
| Half (50%) Fee Refund | From 1st to 7th day of commencement of classes | From 16th to 30th day of commencement of classes |
| No (0%) Refund | From 8th day of commencement of classes | From 31st 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. FOR AFFILIATED COLLEGES & INSTITUTIONS:

Table (6)

| S.No. | CATEGORIES | Amount (In PKR) |
|-------|---|---|
| 1. | Affiliation fee | Rs.1,000,000 |
| 2. | Application processing fee for affiliation (Non-refundable) | Rs.150,000 |
| 3. | (a) Annual affiliation renewal fee per discipline for Undergraduate Engineering Program (b) Annual affiliation renewal fee per discipline for Postgraduate Engineering Program | Rs.100,000 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. 3,000 |

Tuition Fees?

FEE CONCESSION AND OTHER FINANCIAL ASSISTANCE

The university offers free-ship in tuition fee, based upon the recommendations of the Scholarship Award Committee, to well deserving students.

Moreover, students already availing any other form of financial assistance from any source shall be deemed ineligible for other Scholarship.

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

Mardan. Moreover, 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.

Students from the Erstwhile-FATA (merged districts of KP) are eligible for all scholarships offered by the university or any donor agency. Students of settled areas are also allowed to approach their respective local, provincial and federal agencies etc. for any sort of financial aid or scholarship.

1. Siblings Student Scholarship:

Two or more siblings studying in UG programs at UET Mardan under the open/rationalized Scheme 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 eight semesters.
Any other combination of academic programs in which siblings are studying would not be eligible for sibling's scholarship.

2. Free-Ship Merit Based (Tuition Fee Waiver)

| Departments | Electrical Engineering | Telecommunication Engineering | Software Engineering | Computer Science | Civil Engineering | Mechanical Engineering | Total |
|------------------------------------|------------------------|-------------------------------|----------------------|------------------|-------------------|------------------------|-------|
| % of the Intake(enrolled students) | 10% | 10% | 10% | 10% | 10% | 10% | 60% |

initial induction, the merit shall be based on the admission merit criteria which includes the entrance test, SSC and HSSC marks. For subsequent years the merit shall be decided on the basis of 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 ≥ 3. In case of a tie between students, student with a higher CGPA/Marks in the previous year will have precedence. Merit based Freeship for the fresh intake will be awarded on the basis of final merit list provided by the admission section. The allocation of merit based freeship seats will be fixed when the admission process is closed. In case any student with the freeship leaves the university or declines the scholarship, the next student in line will not be considered for this scholarship. Self-finance students are eligible for the said scholarship in the years subsequent to intake, subject to the criteria mentioned above. Only tuition fee equal in amount to that of open

The university offers free-ship merit-based scholarship (tuition fee waiver) for students in each department as given in the table below. The students entitled for the free-ship merit based (tuition fee waiver) are to be decided at the beginning of each academic year based on the student's academic Performance. For

merit students will be reimbursed to the qualifying Self-finance students for Freeship merit based scholarship.
The award of tuition fee waiver will be decided by the following committee within four weeks of declaration of Spring semester results.

- Dean, Faculty of Engineering & Computing Convener
- All Chairmen Members
- Treasurer Member
- Provost Member
- Advisor Student Affairs Secretary/Member

3. Free-Ship (Need/Poverty)

The university offers two (02) free-ship scholarships per batch in each department at the end of each academic year on need/poverty basis to the deserving students who fulfils the following criteria.

- Open Merit Students
- CGPA ≥ 2.5
- No outstanding “F” or “I” grade in previous semesters.

Award of free-ship shall be recommended by the Scholarship Committee comprising the following members:

- Dean, Faculty of Engineering & Computing Convener
- Chairman of the Concerned Department Member
- Treasurer Member
- Provost Member
- Advisor Student Affairs Secretary/Member

Free-ship scholarship is for an academic year only, i.e., two semesters. Tuition Fee will be refunded/reimbursed to the Selected students under Free-ship Scheme. All students are required to submit semester fee which shall be reimbursed/refunded as and when scholarship notification is issued by the respective scholarship award committee/ agency.

4. 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.

- 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.
- The award shall be recommended by a selection committee comprising of the following personals.
 - Chairman of the respective Department Convener

- One member from other University Member
- One member from the relevant industry Member

- The date for the selection of best project shall be announced by the Convener well in advance.
- 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.
- Any individual or group that has undertaken a project shall be eligible to compete for the award.
- 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.
- The 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.

5. Gold Medals
The university offers Gold medals to its outstanding graduates. Following rules shall apply for Gold Medals.

- The degree must be completed in eight consecutive semesters and all examinations must have been passed in first attempt.
- CGPA shall not be less than 3.67
- 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.

6. 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



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 | | |
| S. No. | Name of the Hostel | Maximum Capacity |
| 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, 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 distribute 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 applicants for hostel accommodation from each department. Preference shall be given to

those applicants who hail from far-flung areas and do well in terms of merit.

2.5 Accommodation in hostels will not be granted to local resident students, such case if found by the authorities, the admission of the student will be cancelled at the spot. He/she shall be penalized as deemed fit by the hostel and university administration.

2.6 In case of any misuse of the facility, hostel authority is authorised to refuse/cancel hostel admission of students.

2.7 For request of cancellation of the hostel admission the student can receive the refundable amounts if the request is received within fifteen (15) days of the closing date of allotment of hostel accommodation. No refund will be allowed after that.

2.8 Student, in case of failing to complete his degree within the prescribed time (8 semesters/ 4 years), will not be eligible for hostel admission. The hostel authorities under special circumstances may consider such application for admission provided the applicant maintains regular attendance in classes.

2.9 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, 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 | 07:00 AM | 10:00 PM |
| Summer | 06:00 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:

| Girls Hostel | | |
|--------------|-------------------|-------------------|
| Season | Opening Gate Time | Closing Gate Time |
| Winter | 07:45 AM | 04:00 PM |
| Summer | 07:45 AM | 04:00 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 hostel 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 borders 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. |

| S. No | Offense | Disciplinary Action |
|-------|---|--|
| 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. Fahim Ullah Khan | Warden Malik Ahmed Boy's Hostel & Hostel III | |
| 3. | Engr. Usman Ali | Warden Ahmad Shah Abdali Boys Hostel | 0937-9230069 |
| 4. | Engr. Muhammad Ishaq Khan | Assistant Warden Ahmad Shah Abdali Boys Hostel | 0937-9230069 |
| 5. | Mr. Shehzad Ahmed | Assistant Warden Malik Ahmed Boy's Hostel | |
| 6. | Dr. Gul Rukh | Warden Ayesha Girls Hostel | 0937-9230236 |
| 7. | Miss. Tehreem Fatima | Assistant Warden Ayesha Girls Hostel | 0937-9230236 |
| 8. | Mrs. Amna Sarfaraz | Caretaker Aysha Girls Hostel | 0937-9230236 |

IMPORTANT CONTACTS

Vice Chancellor

Ph: +92-937-9230325
Email: vc@uetmardan.edu.pk

Registrar

Ph: +92-937-9230295,
Fax: +92-937-9230296
E-mail: registrar@uetmardan.edu.pk

Controller of Examinations

Ph: +92-937-9230249
E-mail: controller@uetmardan.edu.pk

Director Admissions

Ph: +92-937-9230141
Email: diradmissions@uetmardan.edu.pk

Director Academics

Email: dir.acad@uetmardan.edu.pk

Director ORIC

E-mail: diroric@uetmardan.edu.pk

Chairman,
Department of Computer Software

Engineering
Ph: +92-937-9230452
E-mail: chair.se@uetmardan.edu.pk

Chairman,
Department of Telecommunications
Engineering

Ph: +92-937-9230451
E-mail: chair.te@uetmardan.edu.pk

Chairman,
Department of Mechanical Engineering

E-mail: chair.me@uetmardan.edu.pk
Ph: +92-937-920445

Chief Proctor

E-mail: cp@uetmardan.edu.pk
Ph: +92-3355699620

Dean, Faculty of Engineering and Computing

Ph: +92-937-9230449
E-mail: dean@uetmardan.edu.pk

Director Postgraduate Studies

Ph: +92-937-9230451
E-mail: dirpgs@uetmardan.edu.pk

Director, Quality Enhancement Cell

E-mail: dirqec@uetmardan.edu.pk

Director Media & Publications

E-mail: dirmedia@uetmardan.edu.pk

Manager, IT Center

E-mail: manager.cms@uetmardan.edu.pk

Advisor Student Affairs

E-mail: asa@uetmardan.edu.pk

Chairman,
Department of Electrical Engineering

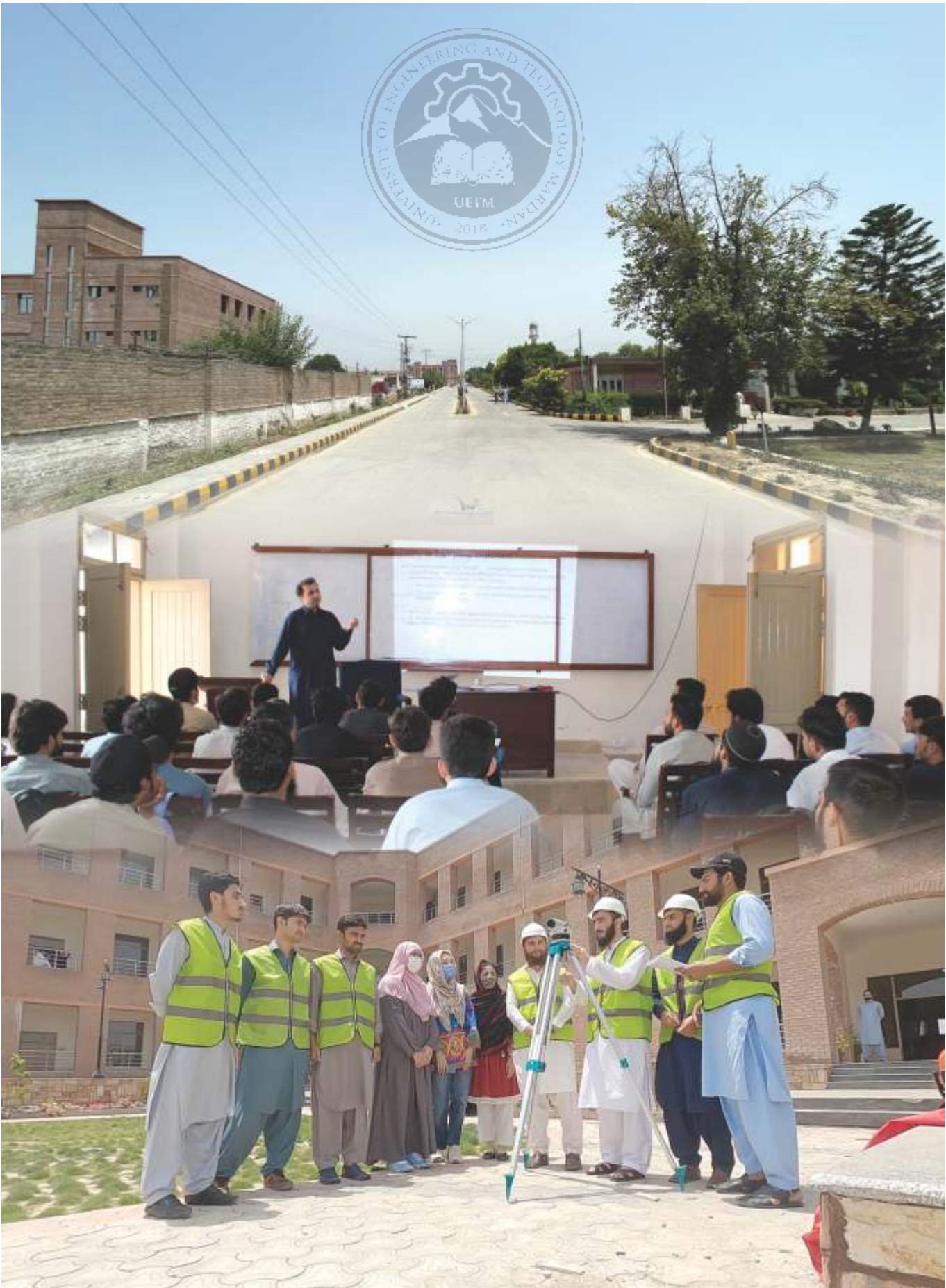
Ph: +92-937-9230482
E-mail: chair.ee@uetmardan.edu.pk

Chairman,
Department of Computer Science

Ph: +92-937-9230452
E-mail: chair.cs@uetmardan.edu.pk

Chairman,
Department of Natural Science and
Humanities

Ph: +92-937-920446
E-mail: chair.nsh@uetmardan.edu.p





UNIVERSITY OF ENGINEERING & TECHNOLOGY

Contact: +92-937-9230295 | +92-937-9230296

Email: info@uetmardan.edu.pk

Web: uetmardan.edu.pk

UET Mardan, Charsadda Road, 23200 Mardan Khyber Pakhtunkhwa, Pakistan

Design & Print by:


alihamza
advertiser
0344 85 88 444