



Sarhad
University
of Science & Information Technology
Peshawar



STEP INTO
BRIGHT FUTURE



UNDERGRADUATE
PROSPECTUS

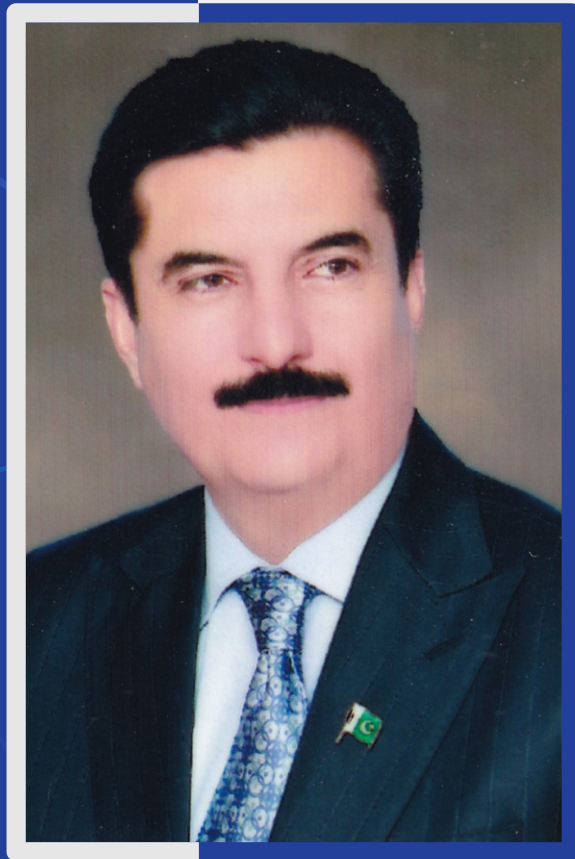
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Message from the Governor, Khyber Pakhtunkhwa

Higher Education; a demanding but a highly rewarding field of education system, plays a pivotal role in fulfilling the quest for bringing pleasant change in the socio-economic fabric of the society and ensures better future both for the country and the people. In the given circumstances, achieving this cherished goal indeed demands constant efforts, sustained determination and resources on part of individuals, institutions and the society alike. In line with the desired targets one can witness an encouraging environment, enthusiastic approach, high spirit and a confident struggle at every level in the province.

It is indeed a pleasure to note that the Sarhad University of Science & Information Technology, Peshawar is engaged as an active partner along its sister institutions, working both in the public and private sectors in the ongoing struggle to achieve the target set forth for the cause of education. The initiative to introduce demand driven, result oriented and contemporary disciplines, besides continuing research and educational activities in the existing institutions and infrastructure development for further expansion of the campus provides a heartening and convincing reason to judge the pace, with which it is progressing, is impressive.

While writing these lines for the Prospectus 2024-25 of the University, I also take the advantage to congratulate the management, faculty and students especially the new entrants for successfully stepping into their new pursuits and wish more success to all of them.



Faisal Karim Kundi

Message from the President, Sarhad University

It is a matter of immense pleasure for me to record my message for prospectus 2024-25.

It is a unique imagination and a marvelous experience that a journey I started in the year 2001, is now unfolding its colors in many ways. The launching of Sarhad University with a humble start of programs in Computer Science, IT and Management Sciences from ab-initio was a gigantic task which I could not have accomplished alone. It was my team which worked with unmatched hard work and dedication as the resources were meager and the resolve to reach the students was unflinching.

It had been my life-long desire to reach and serve people from an area that direly needed my services and contributions in the higher education sector. The Khyber Pakhtunkhwa province suited my objective more than any other neglected areas of Pakistan due to its close proximity to my base-station and the energetic segment of students of the Province, who otherwise have all the potentials to be in the driving seat. I chose education as my preferred objective and the young generation as my prime target as no society in the civilized world could ever progress without educating upcoming generations.

Dear students, Sarhad University with state-of-the-art buildings housing spacious classrooms, scientific and research laboratories, a huge library with latest books, Seminar Hall, dedicated parking space along with sports facilities is now fully functional to offer academic programs in various disciplines. In the wake of latest developments we have put in place a robust security system backed by CCTV cameras with recording facilities through DVR system, walk through gates and metal detectors to maintain a secured environment at the premises. The testimony to our success can be judged from out-flow of our graduates who are currently serving in almost all the public departments at provincial and national level. Beside those many pursuing their higher studies at various International Universities. I would also like to extend my thanks to the students who opt to join Sarhad University to be in our fold for the coming 4-5 years with a pledge to work for their better education and settlement in their assignments.



M. Riaz Karim

Message from the Vice President, Sarhad University



I am happy to convey my message about Sarhad University which was established in the year 2001, with the sole objective of providing quality education at higher level according to the expectations of our youth. I would like to apprise you that today; our university is placed in highest category of HEC. We have worked round the clock over the last 23 years to achieve this level of excellence and proved ourselves in accordance with the expectations of all stakeholders. The University as of today is home to more than 6000 students in contemporary disciplines including Pharmacy, Nursing, Allied Health Sciences, Computer Sciences, Software Engineering, Management Sciences, Engineering, Art & Design, Humanities and Social Sciences. These programs are being supervised by more than 100 PhD, around 150 M.Phil/MS and MSc degree holders, having vast teaching and administrative experience.

Our teaching Departments are associated with the modern labs equipped with latest and up to date equipment required for the practical work of the students to gain hands on experience.

The Department of Pharmacy, Nursing and Allied Health Sciences are also linked with the major hospitals of Peshawar City for clinical rotation of the students to directly deal with the patients of their particular specialties.

SUIT believes in imparting quality education and for this purpose, we have established a full-fledged Quality Enhancement Cell to fine tune our programs with regular intervals. Our Quality Enhancement Cell is fully functional to supervise the quality of programs according to HEC's laid down criteria and there is a continuous progress in our academic programs to achieve this very goal.

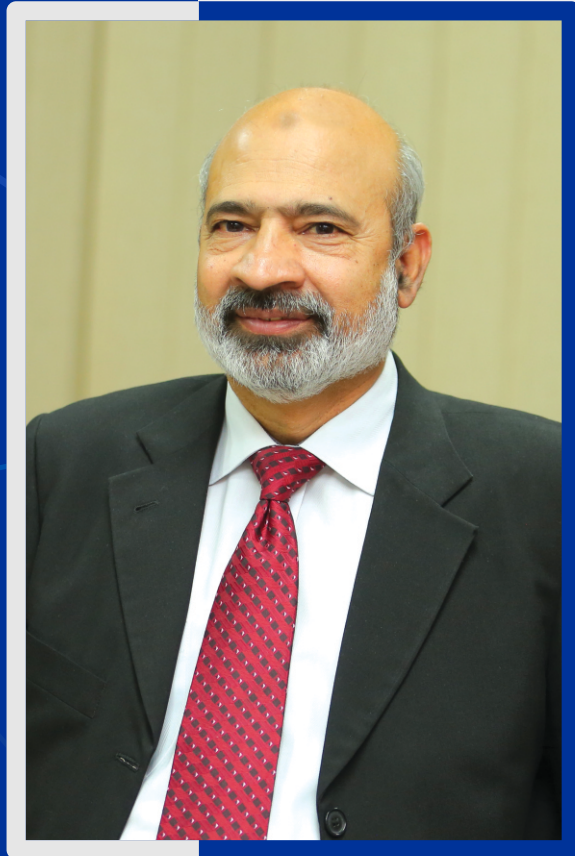
It will be in place to write that Office of Research, Innovation and Commercialization (ORIC) has also been established. More so, bringing the university under one umbrella has provided us the opportunity to focus on research activities for which faculty members and students are provided with financial and material assistance. Seminars, Workshops, Curricular & Co-curricular activities are held regularly to groom our students. I assure all students of my fullest support to educate them in the best possible manner so that they could prove their metal in their respective fields after graduation from Sarhad University.

Azmat Ali

Message from the Vice Chancellor, Sarhad University

It is a privilege for me to be associated with such a progressive and rapidly developing University. During the last 22 years, Sarhad University has made landmark achievements in many areas. The Faculty size has increased manifold due to induction of a number of PhD and M.Phil Degree holders in the field of Engineering, Pharmacy, Nursing, Management Sciences, Computer Science, Arts, Education and certain health-related disciplines. Our focus on quality education has enabled the students to acquire relevant knowledge and to become true professionals. Academic activities like conferences, workshops, and seminars have not only created an environment conducive for research, but have also added to the experience of our faculty and students. Our graduates, equipped with the right blend of knowledge and skills are prepared to carve their niche in the corporate world and to play their due role in socio-economic development of the country. I attribute our success in all these areas to the faculty, management and students whose devotion, hard work, sincerity, and determination have earned us high reputation and due recognition.

Selecting a particular degree program for stepping into professional life is one of the most crucial decisions. Equally difficult is the choice of an institution of higher learning to pursue the selected degree program. For those who have reached this decision making stage, Sarhad University offers diverse fields at its Main Campus in Peshawar, sub campuses and the opportunity to learn online / distance education. May Allah Almighty bless our youth and guide them in making right decisions, and enable the University management to give its best to the students.



Prof. Dr. Salim ur Rehman



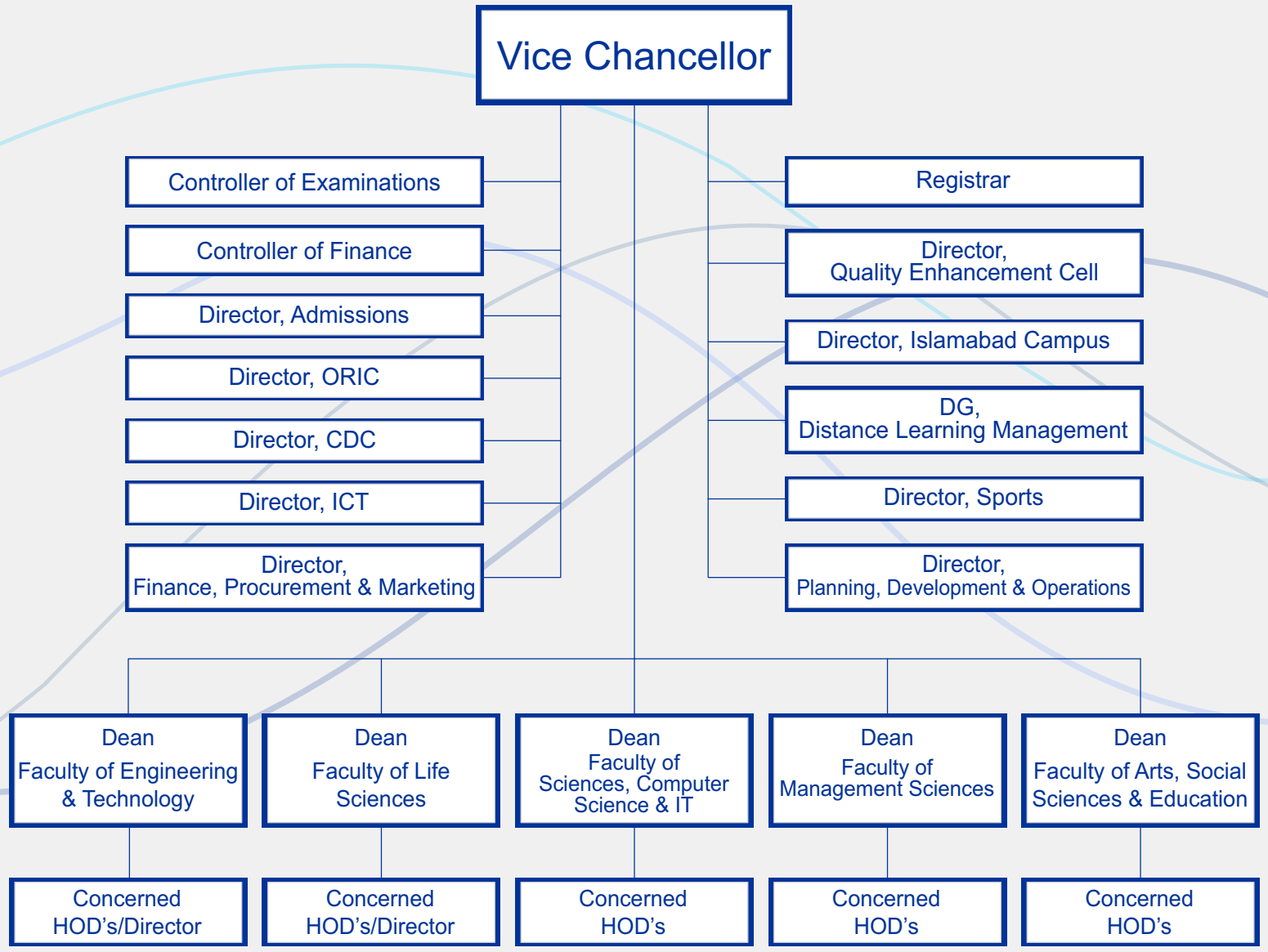
Vision

To achieve excellence in teaching & research
in all academic fields.

Mission

To provide educational facilities of international
standards to the youth and to produce graduates
& researchers at National and Global levels.

SUIT's ORGANIZATIONAL STRUCTURE



Board Of Governors

The Board of Governors of Sarhad University is the highest executive authority of the University. It comprises personalities of high standing in academic and professions both from the public and private sectors of higher education. The board has all the powers necessary to formulate Statutes, Regulations and Policies aimed at ensuring high academic standards in respect of all academic programs run by the University at Bachelor, Master and Doctoral levels. The Board also enjoys powers to frame laws and policies aimed at recruiting persons of eminence in academics for senior slots in the academic hierarchy who are able to give their best to the students, who will serve the country and the community appropriately for socio-economic development. The basic criteria for selection of teachers and administrators laid down in the University Charter are competence, integrity and efficiency, which is adhered to in letter and spirit.

Prof. Dr. Salim-ur-Rehman,
Vice-Chancellor (Chairman)

Prof. Dr. Abdul Waheed Mughal,
Dean Faculty of Arts, Social Sciences
& Education,
Sarhad University, Peshawar

Mr. Muhammad Taimoor Riaz,
Member, Board of Trustees,
Al-Beruni Trust for Educational
Development, Islamabad.

Dr. Akhtar Ali Shah,
Former Secretary
Home and Tribal Affairs Dept.,
Government of Khyber Pakhtunkhwa

**Chairman HEC,
or his Nominee.**

Mr. Immad Azmat,
Member, Board of Trustees,
Al-Beruni Trust for Educational
Development, Islamabad.

Prof. Dr. Zia Ul Qayyum,
Former Vice Chancellor,
A.I.O.U Islamabad.

Secretary,
Higher Education Department,
Government of Khyber Pakhtunkhwa

Prof. Dr. Iftikhar Ahmad Khan,
Director QEC,
Sarhad University, Peshawar.

Prof. Dr. Safia Ahmad (T.I),
Vice Chancellor,
Shaheed Benazir Bhutto Women
University, Peshawar.

**Nominee of the
Chief Justice,**
Peshawar High Court, Peshawar

Director, ORIC.

Prof. Dr. Sahar Noor,
Dean Faculty of Mechanical,
Chemical and Industrial Engineering,
UET Peshawar

Mr. Azmat Ali,
Vice President,
Sarhad University, Peshawar /
Member, Board of Trustees.

Mr. Muhammad Nasir,
Registrar,
Sarhad University, Peshawar.
(Member/Secretary)

Mr. Liaqat Ahmed Khan,
Former President,
Sarhad Chamber of Commerce &
Industry, Peshawar.

Academic Council

The Academic Council of the University, constituted in accordance with provisions of the University Charter, is the highest academic forum of the University with powers to lay down proper standards of instruction, research, publication, examinations, and to regulate and promote the academic life at the University.

Prof. Dr. Salim-ur-Rehman,
Vice-Chancellor (Chairman)

Prof. Dr. Sudhair Abbas,
Head, Department of Pharmacy.

Head,
Department of Art & Design.

Prof. Dr. Abdul Waheed Mughal,
Dean, Faculty of Arts, Social Sciences
& Education.

Prof. Dr. Wali Rehman,
Head, Dept. of Business
Administration.

Head,
Department of Sports Sciences
& Physical Education.

Meritorious Prof. Dr. Zafar Iqbal (T.I),
Dean, Faculty of Life Sciences, SUIT.

Prof. Dr. Saadullah Afridi,
Director, Sarhad Institute of
Health Sciences.

Engr. Fazal Khaliq,
Professor,
Department of Civil Engineering.

Prof. Dr. Saeed Mahfooz,
Dean, Faculty of Sciences, CS/IT and
Faculty of Management Sciences.

Dr. Fazal Mehmood,
Director, Sarhad Institute of Allied
Health Sciences.

Engr. Dr. Muhammad Rizwan,
Associate Professor,
Department of Civil Engineering.

Dean,
Faculty of Engineering & Technology

Ms. Shaheen Ghani,
Director, Institute of Nursing
Sciences.

Dr. Azhar Ali,
Associate Professor,
Department of Electrical Engineering.

Engr. Prof. Dr. Arshad Ali,
Head, Dept. of Civil Engineering.

Dr. Jahangir Khan,
Head, Department of Computer
Science & IT.

Mr. Mumtaz Khan,
Associate Professor,
Department of Electrical Engineering.

Engr. Dr. Muhammad Sohail Gohar,
Head, Dept. of Mechanical
Engineering.

Dr. Ghuncha Begum,
Head, Department of Urdu.

Engr. Abdul Hadi,
Associate Professor,
Department of Mechanical Engineering.

Engr. Dr. Abid Saeed,
Head, Dept. of Electrical
Engineering.

Dr. Khisro Kaleem Raza,
Head, Department of Education.

Dr. S. M. Hassan Shah,
Professor,
Department of Pharmacy.

Engr. Muhammad Faisal Khan,
Director,
Department of Technologies.

Syed Arif Ali Shah,
Head, Department of Library &
Information Sciences.

Dr. Obaid-ur-Rehman,
Professor,
Department of Electrical Engineering.

Dr. Wasal Khan,
Professor,
Department of Education.

Dr. Shahid Mehmood,
Associate Professor,
Sarhad Institute of Allied Health Sciences.

Engr. Fayaz Ahmad,
Assistant Professor,
Department of Technologies.

Dr. Naila Raziq,
Associate Professor,
Department of Pharmacy.

Dr. Nizam Muhammad Darwesh,
Associate Professor,
Sarhad Institute of Health Sciences.

GC (Rtd) Muhammad Sadiq Malik,
Coordinator, Department of English

Dr. Asif Khan,
Associate Professor,
Department of Pharmacy.

Dr. Shahid Latif,
Associate Professor,
Department of Computer Science & IT.

Dr. Rabia Naeem,
Lecturer, Sarhad Institute of Allied
Health Sciences

Dr. Muhammad Ashfaq,
Associate Professor,
Department of Pharmacy.

Dr. Haroon-ur-Rasheed,
Associate Professor,
Department of Computer Science & IT

Prof. Dr. Iftikhar Hussain,
Former Vice Chancellor,
Khyber Pakhtunkhwa UET, Peshawar.

Dr. M. Kifayatullah,
Associate Professor,
Department of Pharmacy.

Dr. Muhammad Imtiaz,
Professor,
Department of Urdu.

Dr. Muhammad Farooq, Professor,
Shaikh Zayed Islamic Center,
University of Peshawar.

Prof. Nasreen Ghani,
Institute of Nursing Sciences.

Dr. Syed Gohar Abbas,
Professor,
Department of Business Administration.

Dr. Ejaz Gul Ghauri,
Ex-Principal Scientific Officer,
PCSIR Labs; Peshawar.

Dr. Nasir Ali,
Associate Professor,
Sarhad Institute of Allied Health Sciences.

Dr. Rabia Ishrat,
Associate Professor,
Department of Business Administration.

Prof. Dr. Asif Khan,
Former Vice Chancellor,
University of Peshawar

Dr. Shabir Ahmad,
Associate Professor,
Sarhad Institute of Allied Health Sciences.

Prof. Dr. Iftikhar Ahmad Khan,
Director QEC,
Sarhad University, Peshawar.

Prof. Dr. Jamshaid Ali Khan,
Department of Pharmacy,
University of Peshawar.

Dr. Aamir Aziz,
Associate Professor,
Sarhad Institute of Allied Health Sciences.

Director, ORIC.

**Advisor (Academics) HEC;
or his Nominee.**

Dr. Muhammad Ateeq,
Associate Professor,
Sarhad Institute of Allied Health Sciences.

Secretary, Higher Education Dept,
Govt. of Khyber Pakhtunkhwa,
Peshawar / or his nominee.

Mr. Muhammad Nasir,
Registrar / Secretary.

Engr. Adil Shahzad,
Assistant Professor,
Department of Civil Engineering.



ENGINEERING

Electrical, Civil and Mechanical Engineering Programs are accredited by the Pakistan Engineering Council, Islamabad.



PHARMACY

Pharm-D (Doctor of Pharmacy) Program is recognized by the Pharmacy Council of Pakistan, Islamabad.



ALLIED HEALTH SCIENCES

Allied Health Sciences Programs are allowed by the Higher Education Commission, Islamabad.



ENGINEERING TECHNOLOGY

Engineering Technology Programs are accredited by the National Technology Council, Islamabad.



COMPUTER SCIENCE & IT

Computer Science Programs are accredited by the National Computing Education Accreditation Council, Islamabad



BUSINESS ADMINISTRATION

Business Administration Program is accredited by the National Business Education Accreditation Council Islamabad.



EDUCATION

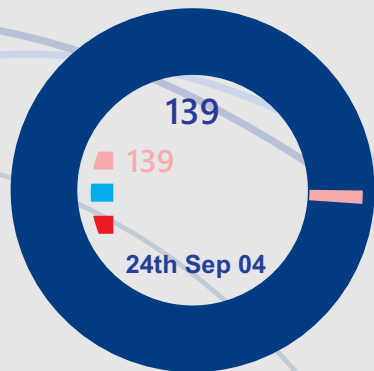
Education Programs are accredited by the National Accreditation Council for Teachers Education, Islamabad



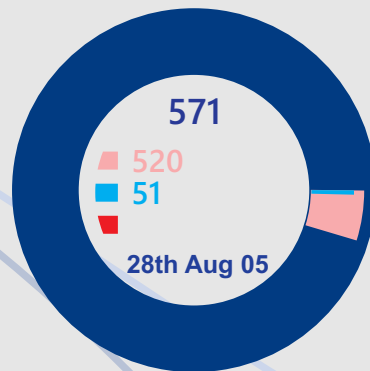
NURSING

Nursing Program is accredited by the Pakistan Nursing & Midwifery, Islamabad

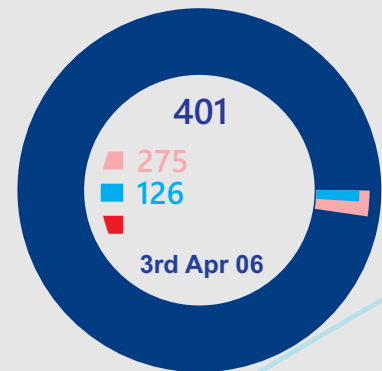
Number of Graduates Convocation-Wise



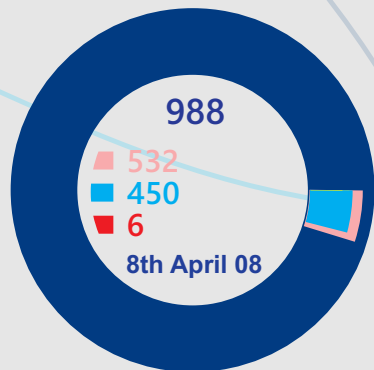
1st Convocation



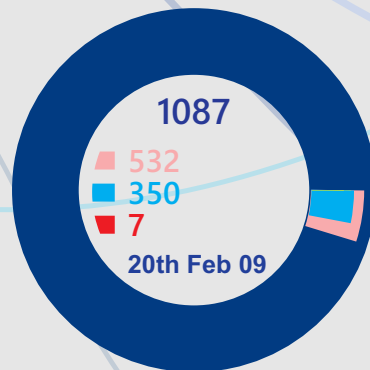
2nd Convocation



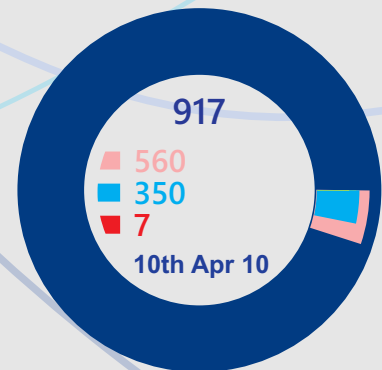
3rd Convocation



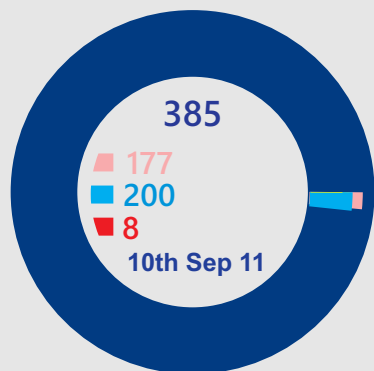
4th Convocation



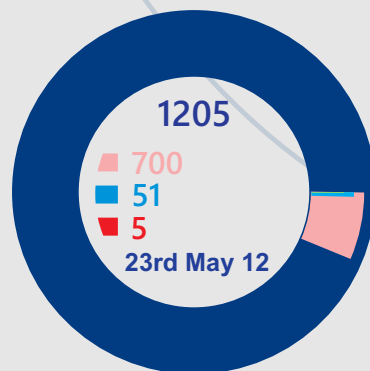
5th Convocation



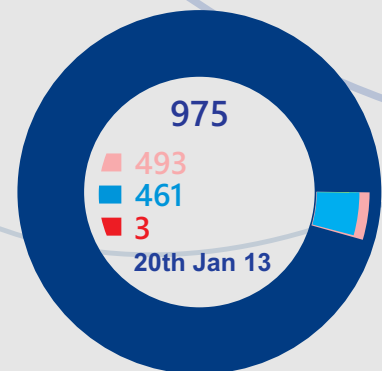
6th Convocation



7th Convocation

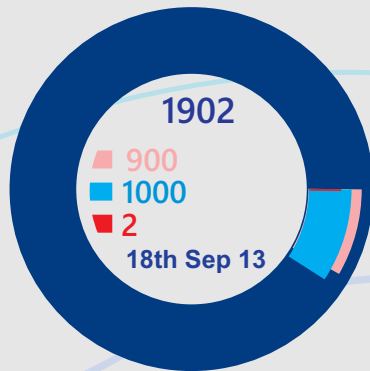


8th Convocation

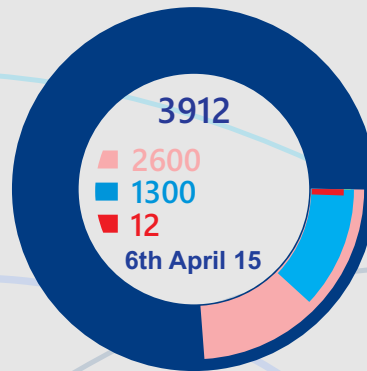


9th Convocation

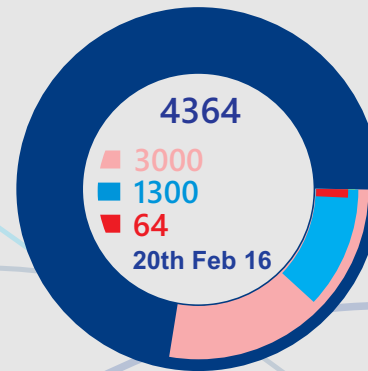
Convocation Wise Graduates



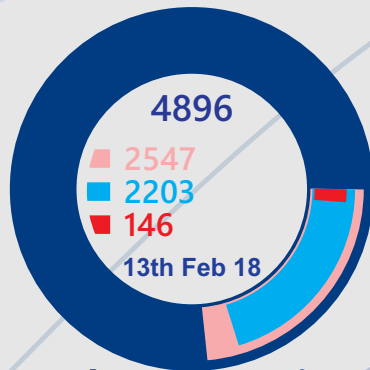
10th Convocation



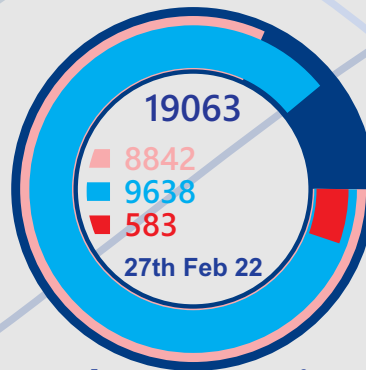
11th Convocation



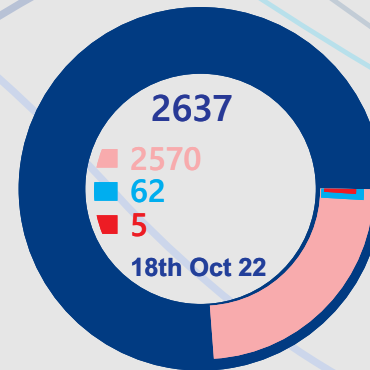
12th Convocation



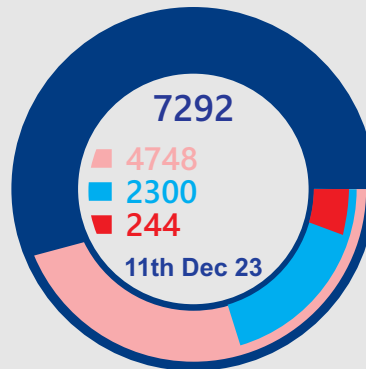
13th Convocation



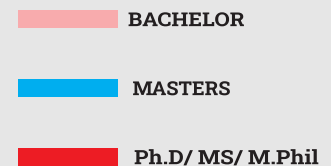
14th Convocation



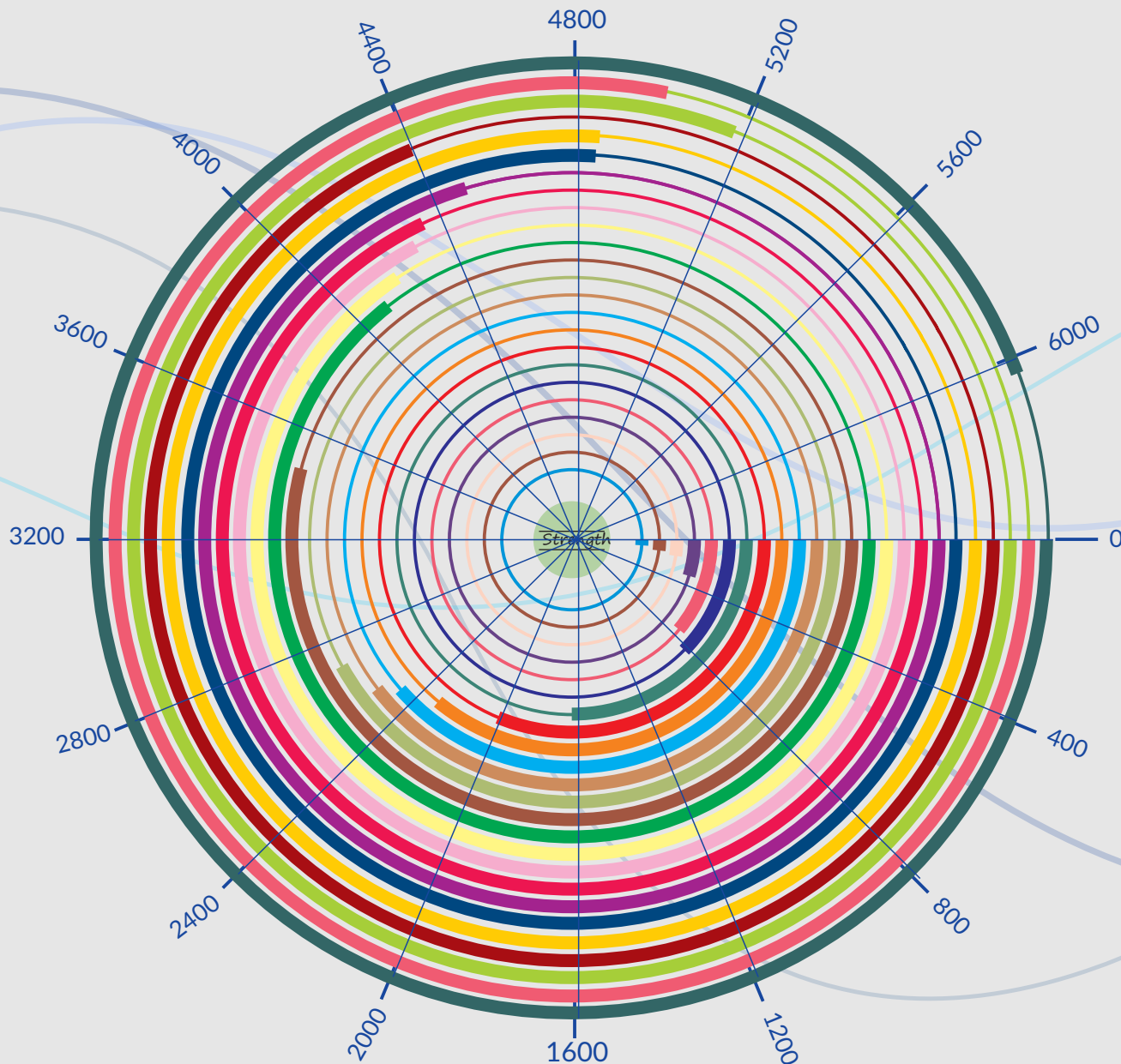
15th Convocation



16th Convocation

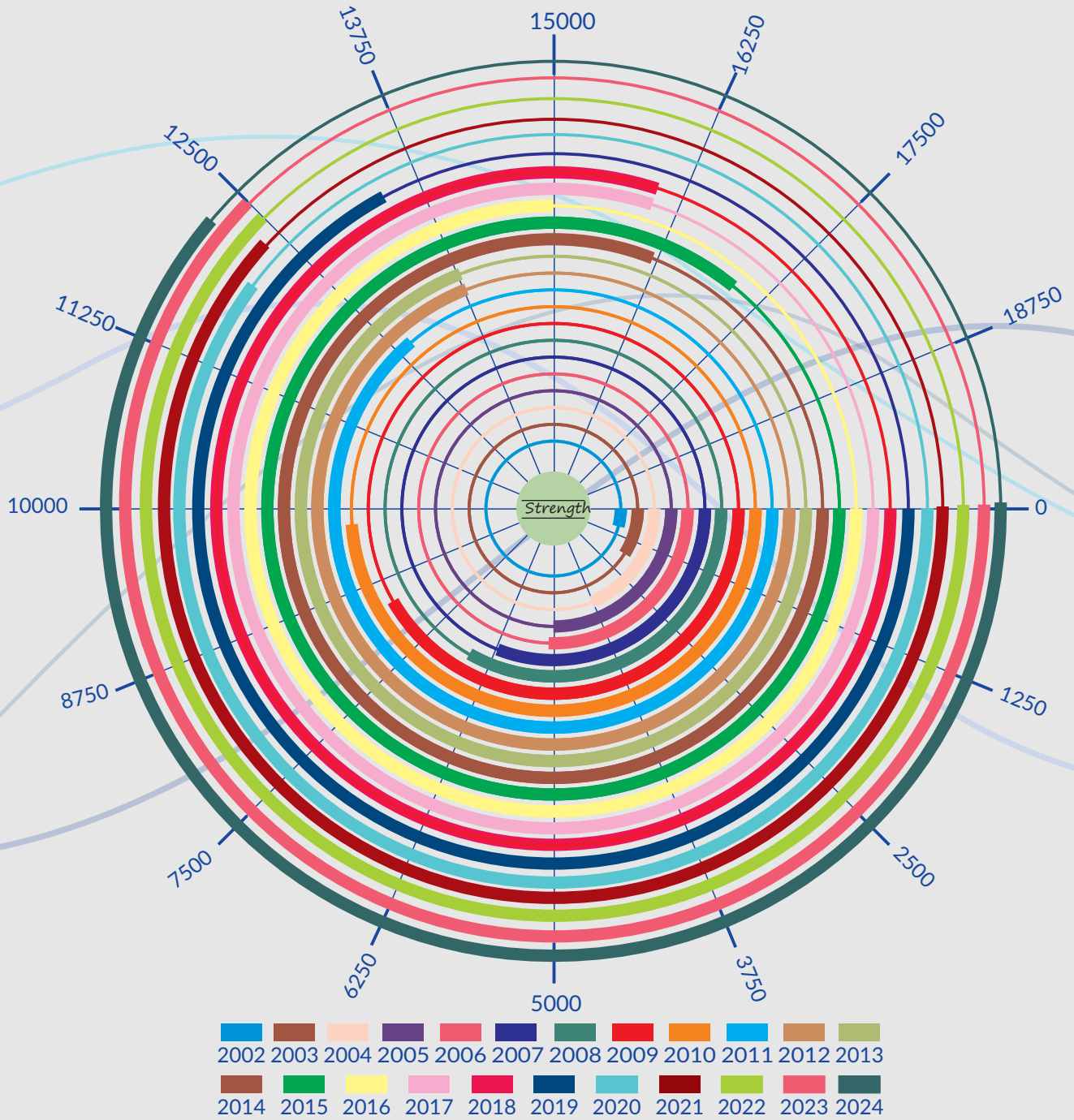


Student Strength at the Main Campus

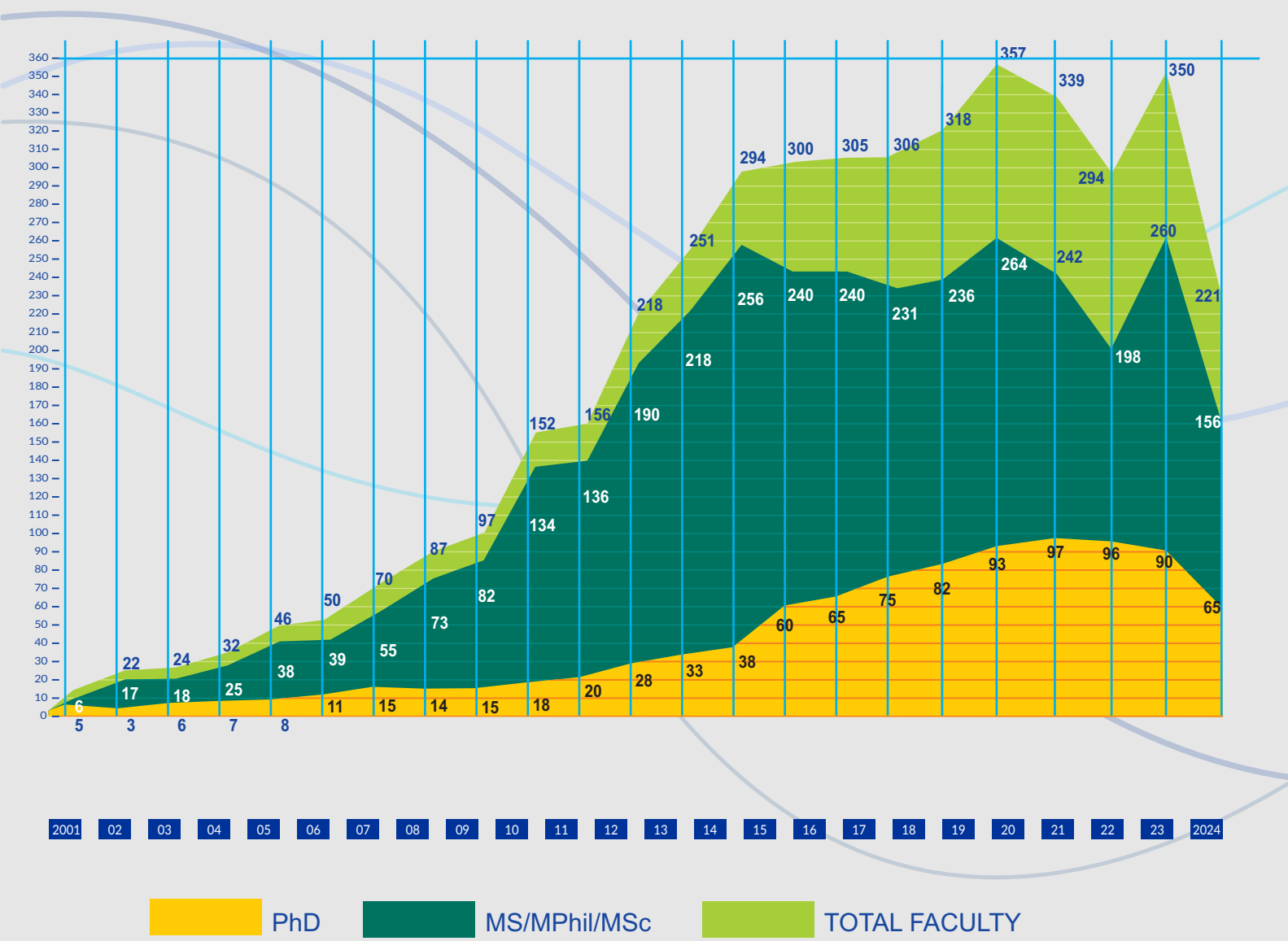


2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024

Student Strength in the Distance Education



GROWTH IN FACULTY AT SARHAD UNIVERSITY



Launching of SUIT Islamabad Campus

Message from the President, SUIT

It is a matter of immense pleasure to share that in line with our vision, Sarhad University of Science & Information Technology, Peshawar is expanding its operations by establishing Islamabad Campus. It is my firm belief that due to its strong academic base, the city of Islamabad has a great potential for higher education. The youth of Islamabad has an immense desire to improve their qualification through



Higher Education Institutions of repute. To this end, SUIT Islamabad Campus aims to prepare them to earn their livelihood with honour and dignity as well as to extend a helping hand to their parents, and siblings to lead respectable lives.

For a student, selecting a particular degree program for stepping into professional life is one of the most crucial decisions. Equally difficult is the choice of an institution of higher learning to pursue the selected degree program. For those who have reached this decision making stage, Sarhad University offers diverse fields of education at its Islamabad Campus. Additionally, Islamabad Campus of Sarhad University with state of the art buildings housing spacious classrooms, scientific and research laboratories, a huge library with latest books, Seminar Hall, dedicated parking space along with sports facilities is to cater for the academic needs of the youth of Islamabad regions.

During the last two decades, Sarhad University has acclaimed a reputable name in the educational circles of Pakistan and abroad. I am happy that a University having Charter from a comparatively less developed province of Pakistan, i.e. Khyber Pakhtunkhwa has achieved so many laurels to claim excellent academic standing among its counterparts.

I am confident that the management and faculty of the Islamabad Campus will work with sincerity, dedication, zeal and zest and produce graduates who will take upon themselves to take the country out of the crises that we face today.

Muhammad Riaz Karim

Message from the Vice Chancellor

I am pleased to record my message on the establishment of Islamabad Campus of Sarhad University of Science & Information Technology, Peshawar and offering admissions therein from Fall-2024 Session in different programs. I must say that Sarhad University has an outstanding national & international reputation, imparting quality education to a larger number of students in various fields of



learning, earning HEC's highest rating of excellence for Engineering, Pharmacy, Allied Health Sciences, Nursing, Computing, Management and Social Sciences through its academic excellence. Establishment of Islamabad Campus with the approval of Higher Education Commission of Pakistan, is a landmark initiative which will not only cater for the educational needs of the youth of Islamabad Capital Territory but also for the majority of the adjoining areas. Since its inception in 2001, the University has passed through numerous ups and downs, but with the grace of Almighty ALLAH and the untiring efforts of the management and faculty, we successfully overcame the obstacles and hurdles in our way and kept the University on the path of progress and development. Today our graduates are effectively serving various Multi-National Companies and Organizations at Provincial and National levels in different capacities, whereas many joined foreign universities for higher studies. The University has always strived to provide relevant and purposeful education aimed at preparing its students to confront challenges in this competitive world. Sarhad University is not just addressing the issues of professional environment such as purpose-built campus, air-conditioned classrooms, and well equipped laboratories but, more importantly, it is concentrating on the most critical issues like faculty development, curricula tailored to latest innovations and present-day demands, quality enhancement, effective teaching & evaluation, community engagement and character building. I assure that the Islamabad Campus of Sarhad University will try its level best to disseminate quality education at the doorsteps of the prospective students of ICT and the adjoining areas. In the years to come, I foresee Sarhad University among the top ranking Universities of Pakistan and wish a glaring future to it.

Prof. Dr. Salim-ur-Rehman

Sarhad University of Science & IT, Islamabad Campus



The University achieved yet another milestone by establishing the Islamabad Campus with the approval of HEC, Islamabad granted vide letter No. 15(16)/A&A/Acc/HEC-2023/553, dated 28th August, 2023.

The Islamabad Campus, located at a posh area of Rawat, Islamabad is about to start its academic journey from Fall-2024 Session.



Sarhad University of Science & IT, T-Chowk, GT Road, Rawat, Islamabad, Islamabad Capital Territory 44000

Tel: 051-3757628, 051-3757692, 051-3757695, 03288880918-9 Cell: 0328-8880916-7

Programs offered at SUIT Islamabad Campus

Department of Pharmacy

- ▶ Doctor of Pharmacy (Pharm-D) (5 years)
Number of Seats: Morning: 100
Evening: 100

Pharm-D Program is recognized by the Pharmacy Council of Pakistan.

Department of Nursing Sciences

- ▶ BS Nursing (4 years)

Recognition of Nursing Program by the Pakistan Nursing & Midwifery Council is under process.

Department of Computer Science & It

- ▶ BS Computer Science (4 years)
- ▶ BS Software Engineering (4 years)
- ▶ BS Artificial Intelligence (4 years)

Accreditation of the Computer Science & IT Programs by the NCEAC is under process.

Department Of Humanities

- ▶ BS English Language & Literature (4 years)

Department of Allied Health Sciences

- ▶ Doctor of Physiotherapy (DPT) (5 years)
- ▶ BS Anesthesia Technology (4 years)
- ▶ BS Cardiology Technology (4 years)
- ▶ BS Dental Technology (4 years)
- ▶ BS Health Technology (4 years)
- ▶ BS Medical lab Technology (4 years)
- ▶ BS Nutrition & Dietetics (4 years)
- ▶ BS Radiology & Imaging Technology (4 years)
- ▶ BS Surgical Technology (4 years)
- ▶ BS Optometry Technology (4 years)
- ▶ BS Cardiac Perfusion Technology (4 years)
- ▶ BS Emergency & Intensive Care Technology (4 years)

Allied Health Sciences Programs are allowed by the HEC / Allied Health Professionals Council, Islamabad



DEPARTMENTS

- Computer Science & IT
- Mathematics

**FACULTY OF
SCIENCES, COMPUTER SCIENCE & IT**

Faculty of Sciences, Computer Science & IT

In the scientific fields of this century, revolutionary interdisciplinary research and teaching activities necessitate a visionary role of educational institutions. The faculty has been established to meet this pressing need. We are building upon the scientific tradition in new ways to enhance the educational experience of our students while developing links with business and industry. Efforts have been made to transform the scientific understanding into ways of enriching human experience in the modern world. In the classrooms, our teachers prepare students for leadership roles in scientific fields by providing them sound foundations. We hope that more and more aspiring students would involve themselves in our exciting and important endeavors to change the world for the better through application of the acquired knowledge.

Department of Computer Science & IT

Vision

To be a leading department in the field of Computer Science and Information Technology, recognized for its commitment to academic excellence, innovation, and research, producing graduates and scholars who drive technological advancements and address global challenges.

Mission

Our mission is to provide quality education and cutting-edge research opportunities in Computer Science and Information Technology, preparing students for successful careers and leadership roles in diverse fields. We are dedicated to fostering creativity, critical thinking, and ethical practices, while contributing to the advancement of knowledge and the development of solutions that address societal needs. Through collaboration, interdisciplinary approaches, and partnerships with industry and academia, we strive to make significant contributions to the field and to society at large.

Programs Offered:

Bachelor of Science in Computer Science

Bachelor of Science in Software Engineering

Bachelor of Science in Electronics

Bachelor of Science in Telecommunication

Bachelor of Science in Artificial Intelligence

Bachelor of Science in Data Science

Bachelor of Science in Cyber Security

Bachelor of Science in Computer Engineering Technology

Faculty Members, Department of Computer Science & IT

Prof. Dr. Saeed Mahfooz	Dean, Faculty of Sciences, Computer Science & IT	Ph.D Distributive Systems, Liverpool John Moores University, UK
Prof. Dr. Jahangir Khan	Head of Department	Ph.D Agriculture Information Technology, China Agricultural University, China
Dr. Shahid Latif	Associate Professor	Ph.D Computer Science, University of Peshawar
Dr. Haroon Ur Raheed	Associate Professor	Ph.D Mathematics, Abdul Wali Khan University, Mardan
Dr. Muhammad Asif Khan	Assistant Professor	Ph.D Computer Science, FAST-NUCES, Islamabad
Dr. Saadat Khan	Assistant Professor	Ph.D Physics, Gomal University, DI Khan
Dr. Muhammad Ismail Mohmand	Assistant Professor	Ph.D Engineering (Software Engineering), Lincoln University College, Malaysia
Dr. Asad Ali	Assistant Professor	Ph.D Computer Science and Information Technology, University of Salerno, Italy
Dr. Muhammad Sohail	Assistant Professor	Ph.D Computer Science, KUST, Kohat
Mr. Abu Bakar Nauman	Assistant Professor	MSc Computer Science, Bahauddin Zakariya University, Multan
Ms. Zanolbia Nisar	Assistant Professor	MS Computer Science, Islamia College University, Peshawar
Mr. Maddad Khan	Assistant Professor	MS Business Information Technology, Southampton SOLENT University, UK
Engr. Mudassir Aman	Coordinator	MS Electrical Engg. (Communication & Electronics Engg., UET Peshawar
Mr. Muhammad Jebran Khan	Assistant Professor	MS Mathematics, Bacha Khan University, Charsadda
Engr. Aiman Rashid	Assistant Professor	MSc Computer System Engineering, UET, Peshawar
Mr. Asad Malook	Assistant Professor	MS Computer Science (Telecom), University of Peshawar
Mr. Adam Khan	Assistant Professor	MS Computer Science, Abasyn University, Peshawar
Mr. Kamran Khan Tatari	Assistant Professor	MS Software Engineering, Sweden
Engr. Aamir Shahzad	Lecturer	MS Software Engineering, University of Bradford, UK

Faculty Members, Department of Computer Science & IT

Mr. Raheem Ullah	Lecturer	MS Software Engineering, Abasyn University Peshawar
Engr. Altamash Khan Afridi	Lecturer	MSc Computer Systems Engineering, UET, Peshawar
Mr. Syed Rohan Ali Shah	Lecturer	MS Information Technology (Computer Networks), IM Sciences, Peshawar
Engr. Zia Ullah	Lecturer	MS Software Engineering, COMSATS University, Islamabad
Mr. Mudassir Shah	Lecturer	MS Computer Science, University of Peshawar
Engr. Muhammad Yasir	Asst. Coordinator	MS Computer Software Engineering, UET, Peshawar
Mr. Ishtiaq Ali	Lecturer	MS Software Engineering, COMSATS University, Islamabad
Mr. Asim Ali	Lecturer	MS Computer Science (Software Engineering), CECOS University Peshawar
Mr. Muhammad Danish Ali	Junior Lecturer	BS Computer Science, Agriculture University, Peshawar
Mr. Niamat Ullah	Junior Lecturer	MSc Computer Science, University of Peshawar
Engr. Ayub Ashraf	Junior Lecturer	BS Computer Systems Engineering, UET, Peshawar
Mr. Nasir Khan	Junior Lecturer	BS Computer Science, Agriculture University, Peshawar
Mr. Muhammad Asfandiyar	Junior Lecturer	MS Software Engineering, Abasyn University, Peshawar
Mr. Muhmmad Fawad	Junior Lecturer	BS Software Engineering, Abasyn University Peshawar
Mr. Habib Ullah	Junior Lecturer	BS Computer Science, IM Sciences Peshawar

Bachelor of Science in Computer Science

Program Code	001
Number of Courses	42 Theory + 17 Lab + FYP
Credit Hours	135

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 50% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

PEO 1 Computing Foundation: Graduates will possess a strong academic foundation and analytical skills to solve complex computing problems, leveraging comprehensive computer science knowledge.

PEO 2 Professional Growth: Graduates will excel in designing and developing innovative computing solutions using modern tools and technologies, while effectively working both independently and as part of diverse teams.

PEO 3 Societal Responsibility: Graduates will demonstrate effective communication skills, uphold ethical standards and professionalism, contribute positively to society, and engage in life-long learning to adapt to evolving technological advancements.

Graduate Attributes:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-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.

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

GA-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.

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

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

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

GA-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

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

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

Scheme of Studies

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/ Values Ethics (For Non-Muslim)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	Mathematics I*	3-0
*Mandatory course for Pre-Medical background, Non Credit		

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
MA 213	Discrete Maths	3-0
MA 113	Mathematics II*	3-0
*Mandatory course for Pre-Medical background, Non Credit Course.		

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
CS 222T	Operating Systems (CS Core)	2-0
CS 222L	Operating Systems Lab	0-1
IT 212T	Database Systems (CS Core)	3-0
IT 212L	Database Systems Lab	0-1
	Elective I (Domain Elective)	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
IT 202T	Artificial Intelligence (Foundation)	2-0
IT 202L	Artificial Intelligence (Foundation) Lab	0-1
SE 201	Software Engineering	3-0
	Elective II (Domain Elective)	3-0
MKT 227	Principles of Marketing	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 17
CS 340	Theory of Automata	3-0
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
CS 204T	Computer Organization & Assembly Language	3-0
CS 204L	Computer Organization & Assembly Language Lab	0-1
CS 437T	HCI & Computer Graphics	2-0
CS 437L	HCI & Computer Graphics Lab	0-1
	Elective III (Domain Elective)	3-0
IT 390	Field Experience	0-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
CS 345	Compiler Concepts (Pre Req: CS 340)	3-0
CS 252	Computer Architecture	3-0
CS 300T	Advanced Database Management System	2-0
CS 300L	Advanced Database Management System Lab	0-1
CS 241T	Design and Analysis of Algorithms Pre Req: CS 232T	2-0
CS 241L	Design and Analysis of Algorithms Lab Pre Req: CS 232 L	0-1
	Elective IV (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 425T	Parallel and Distributed Computing Pre Req: CS 222T	2-0
CS 425L	Parallel and Distributed Computing Lab Pre Req: CS 222L	0-1
ENG 440	Technical & Research Report Writing Elective V (Domain Elective)	3-0 3-0
SE 668	Software Project Management (UE)	3-0
RES 491	Project Phase I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship Elective VI (Domain Elective)	3-0 3-0
	Elective VII (Domain Elective)	3-0
RES 492	Project Phase II	0-3

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Specialization with List of Electives

Software Engineering

Course Code	Course Title	Cr. Hrs.
SE 452	Object Oriented Software Engineering	3-0
SE 450	Software Metrics & Testing	3-0
SE 370	Applied Software Engineering	2-1
IT 240	User Interface Designing	2-1
SE 468	Software Project Management	2-1
SE 470	Agile Software Development	3-0
IT 477	DevOps Tools	2-1

Data Science

Course Code	Course Title	Cr. Hrs.
CS 321	Introduction to Data Science	2-1
CS 306	Data Mining	2-1
CS 308	Data Warehousing & Business Intel.3	2-1
CS 307	Data Visualization	2-1
CS 303	Big Data Analytics	2-1
IT 335	Database Programming	2-1
IT 465	Distributed Database	2-1

Cyber Security

Course Code	Course Title	Cr. Hrs
CS 206	Introduction to Cyber Security	2-1
CS 322	Network Security	2-1
CS 439	Penetration Testing	2-1
CS 431	Cyber Law & Cyber Crime (Cyber Warfare)	3-0
CS 329	Wireless and Mobile Security	2-1
CS 318	Malware Analysis	2-1
COM 204	Data Communication	3-0

Computer Science Electives

Course Code	Course Title	Cr. Hrs.
IT 302	Advanced Networking	2-1
IT 421	Web Design & Development	2-1
CS 417	Programming For AI in Python	2-1
CS 411	Embedded Systems	3-0
CS 236	Programming in Java	2-1
IE 332	Modeling & Simulation	2-1
IT 333	Information System development	2-1

Web & Application Development

Course Code	Course Title	Cr. Hrs.
CS 334	Multimedia Design & Development	3-0
CS 406	Web Engineering	3-0
IT 275	Web Programming	2-1
CS 236	Programming in JAVA	2-1
CS 455	Mobile Application Development	2-1
CS 333	Visual Programming	2-1
CS 450	Server-Side Scripting	2-1

Artificial Intelligence

Course Code	Course Title	Cr. Hrs.
CS 208	Programming For AI	2-1
CS 301	Artificial Neural Networks	2-1
CS 404	Machine Learning	2-1
CS 305	Computer Vision	2-1
CS 414	Robotics & IoT	2-1
CS 409	Deep Learning	2-1
CS 421	Natural Language Processing	3-0

Bachelor of Science in Software Engineering

Program Code	002
Number of Courses	42 Theory + 19 Lab + FYP
Credit Hours	135

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 50% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

PEO 1 Computing Foundation: Graduates will possess a comprehensive academic education coupled with in-depth knowledge for solving computing problems and proficient problem analysis skills.

PEO 2 Professional Growth: Graduates will proficiently design and develop software solutions by leveraging modern tools and technologies, demonstrating both individual expertise and collaborative teamwork

PEO 3 Societal Responsibility: Graduates will effectively communicate, demonstrate a commitment to computing professionalism by considering societal implications in software design and development, uphold ethical standards in all aspects of their work, , and actively pursue continuous learning opportunities to adapt to evolving technologies.

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Graduate Attributes:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-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.

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

GA-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.

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

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

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

GA-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

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

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

Scheme of Studies

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
MA 213	Discrete Maths	3-0
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies / Values Ethics (For Non-Muslim)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	*Mathematics I	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
MA 113	*Mathematics II	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
CS 222T	Operating Systems	2-0
CS 222L	Operating Systems Lab	0-1
IT 212T	Database Systems	3-0
IT 212L	Database Systems Lab	0-1
SE 201	Software Engineering	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
IT 202T	Artificial Intelligence (Foundation)	2-0
IT 202L	Artificial Intelligence (Foundation) Lab	0-1
SE 222T	Software Construction	2-0
SE 222L	Software Construction Lab	0-1
	Elective I (Domain Elective)	3-0
MKT 227	Principles of Marketing	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 17
SE 313T	Software Requirement Specification	2-0
SE 313L	Software Requirement Specification Lab	0-1
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
CS 204T	Computer Organization & Assembly Language	3-0
CS 204L	Computer Organization & Assembly Language Lab	0-1
	Elective II (Domain Elective)	3-0
IT 350	E-Commerce	3-0
IT 390	Field Experience	0-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
SE 414	Software Design & Architecture	3-0
CS 241T	Design and Analysis of Algorithms	2-0
	Pre Req: CS 232T	
CS 241L	Design and Analysis of Algorithms Lab	0-1
	Pre Req: CS 232L	
SE 323T	Software Quality Engineering	2-0
SE 323L	Software Quality Engineering Lab	0-1
	Elective III (Domain Elective)	3-0
	Elective IV (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 423T	Parallel and Distributed Computing	
	Pre Req: CS 222T	2-0
CS 423L	Parallel and Distributed Computing Lab	
	Pre Req: CS 222L	0-1
ENG 440	Technical & Research Report Writing	3-0
	Elective VI (Domain Elective)	3-0
SE 468T	Software Project Management	2-0
SE 468L	Software Project Management Lab	0-1
RES 491	Project Phase I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
	Elective VI (Domain Elective)	3-0
	Elective VII (Domain Elective)	3-0
RES 492	Project Phase II	0-3

Specialization with List of Electives**Full Stack Developer**

Course Code	Course Title	Cr. Hrs.
IT 240	User Interface Designing	2-1
CS 450	Server-Side Scripting	2-1
IT 477	DevOps Tools	2-1
CS 406	Web Engineering	2-1
IT 275	Web Programming	2-1
CS 333	Visual Programming	2-1
CS 455	Mobile Application Development	2-1
CS 334	Multimedia Design & Development	2-1
CS 421	Semantic Web	2-1
CS 403	Systems Programming	2-1

Systems Engineering

Course Code	Course Title	Cr. Hrs.
SE 312	Formal Methods in SE	3-0
SE 470	Agile Software Development	3-0
SE 450	Software Metrics & Testing	3-0
SE 412	Design Patterns	3-0
SE 472	Automated Software Testing	2-1
SE 512	Software Re Engineering	3-0
SE 370	Applied Software Engineering	2-1
CS 304	Business Process Analysis	3-0
IE 332	Modeling & Simulation	2-1
SE 452	Object Oriented Software Engineering	2-1

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Bachelor of Science in Electronics

Program Code	008
Number of Courses	41 Theory + 18 Lab-based + FYP
Credit Hours	136

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 45% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

The BS Electronics program has been designed to equip our graduates with the necessary tools, teaching techniques and knowledge of the field. These graduates can prove their worth in industrial concerns, businesses, teaching or research. Owing to their knowledge and expertise, they can help the local industry in reaping the benefits of industrial automation in the real sense.

Program Outcomes

- An ability to select and apply the knowledge, techniques, skills and modern tools of the discipline to broadly-defined engineering technology activities.
- An ability to function effectively as a member or leader on a technical team.
- An ability to identify, analyze and solve broadly-defined engineering technology problems.
- An ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.
- An understanding of the need for and an ability to engage in self-directed continuing professional development.
- An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity.
- An ability to use current techniques, skills and tools necessary for computing practice, including the ability of expressing algorithms in at least two of the most important computer languages.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/Values Ethics (For Non-Muslim)	2-0
QT 100	Quran Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 105	Multivariable Calculus	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
MA 213	Discrete Maths	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
EE 111T	Linear Circuit Analysis	3-0
EE 111L	Linear Circuit Analysis Lab	0-1
COM 323T	Micro Processor Architecture & AL	2-0
COM 323L	Micro Processor Architecture & AL Lab	0-1
ELC 229	Solid State Electronics	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 17
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 313	Probability & Statistics	3-0
EE 217T	Circuit Analysis	3-0
EE 217L	Circuit Analysis Lab	0-1
EE 367	Electronic Communication	3-0
ELC 216T	Electronics I	3-0
ELC 216L	Electronics I Lab	0-1

5th Semester

Course Code	Course Title	Cr. Hrs. 18
ELL 320	Electronic Circuit Design	3-0
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
EE 338T	Microprocessor Interfacing Technologies	3-0
EE 338L	Microprocessor Interfacing Technologies Lab	0-1
EE 315	Electromagnetic Field Theory	3-0
ELC 370	Integrated Circuits	3-0
RES 351	Field Experience	0-2

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
ELC 221T	Instrumentation and Measurements	3-0
ELC 221L	Instrumentation and Measurements Lab	0-1
ELC 330T	Power Electronics	3-0
ELC 330L	Power Electronics Lab	0-1
COM 232T	Signals & Systems	2-0
COM 232L	Signals & Systems Lab	0-1
ELC 321T	Control Systems	3-0
ELC 321L	Control Systems Lab	0-1

7th Semester

Course Code	Course Title	Cr. Hrs. 16
ELC 475	VLSI Design	3-1
ENG 440	Technical & Research Report Writing	3-0
MG 106	Principles of Management	3-0
RES 491	Project Phase I	0-3
EE 411T	Digital Signal Processing	3-0
EE 411L	Digital Signal Processing Lab	0-1

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
ELC 450	Microwave Electronics	3-0
COM 408	Fiber Optic Communications	3-0
RES 492	Project Phase II	0-3

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Bachelor of Science in Telecommunication

Program Code	003
Number of Courses	42 Theory + 14 Lab-based + FYP
Credit Hours	138

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 45% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

The BS Telecommunication program is designed to provide students with the skills and knowledge needed to meet the requirements of a rapidly advancing and challenging field that is in great demand in Pakistan and abroad. Emphasis is placed on providing students with the broadband telecommunications background skills required to adapt to the dynamic field of telecommunications. A number of mathematics courses have been included to give the direly needed strength to our graduates in modeling the real world problems. The syllabus is designed so as to keep our students abreast with the latest technologies. The program also aims at providing students with a firm base for undertaking higher studies in Telecommunication Systems.

Program Outcomes

- An ability to apply knowledge of mathematics, science, and engineering.
- An ability to function on multi-disciplinary teams.
- An understanding of professional and ethical responsibility.
- An ability to communicate effectively.
- An ability to design and conduct scientific and engineering experiments, as well as to analyze and interpret data.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/Values Ethics (For Non-Muslim)	2-0
QT 100	Quran Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
MA 213	Discrete Maths	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
EE 111T	Linear Circuit Analysis	3-0
EE 111L	Linear Circuit Analysis Lab	0-1
ELC 216T	Electronics I	3-0
ELC 216L	Electronics I Lab	0-1
COM 301	Intro to Telecom	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 16
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
EE 217T	Circuit Analysis	3-0
EE 217L	Circuit Analysis Lab	0-1
EE 367	Electronic Communication	3-0
COM 337	Digital Communication	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
COM 422	Telecom Switching	3-0
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
EE 338T	Microprocessor Interfacing Technologies	3-0
EE 338L	Microprocessor Interfacing Technologies Lab	0-1
EE 315	Electromagnetic Field Theory	3-0
IT 340	Network Management	3-0
RES 351	Field Experience	0-2

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
COM 311	Antenna & Wave Propagation	3-0
COM 340	Telecom Standards	3-0
COM 232T	Signals & Systems	2-0
COM 232L	Signals & Systems Lab	0-1
	Elective I (Domain Elective)	3-0
	Elective II (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 18
ENG 440	Technical & Research Report Writing	3-0
MG 106	Principles of Management	3-0
RES 491	Project Phase I	0-3
COM 313	Mobile Communication I	3-0
	Elective III (Domain Elective)	3-0
	Elective IV (Domain Elective)	3-0

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
COM 350	Mobile Communication II	3-0
COM 408	Fiber Optic Communications	3-0
RES 492	Project Phase II	0-3

Electives

University Electives

Course Code	Course Title	Cr. Hrs.
COM 408	Optical & Wireless System	3-0
COM 440	Telecom Traffic Engineering	3-0
COM 375	Next Generation Networks	2-1
COM 422	Routing & Switching	3-0
COM 462	Advance Signaling Systems	2-1
EE 455	Microwave & Satellite System	3-0

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Bachelor of Science in Artificial Intelligence

Program Code	227
Number of Courses	42 Theory + 21 Lab + FYP
Credit Hours	135

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 50% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

PEO 1 Academic Foundation: To equip graduates with a solid academic foundation for effectively addressing computing challenges and proficient problem analysis.

PEO 2 Professional Growth: To empower graduates with expertise in designing and developing solutions, adept utilization of modern tools, and proficient both individually and in teams.

PEO 3 Societal Responsibility: Demonstrate professionalism and effective communication while upholding ethical and societal standards, and to foster a commitment to continuous learning throughout their professional journey.

Graduate Attributes:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-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.

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

GA-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.

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

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

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

GA-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

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

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

Scheme of Studies

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/Values Ethics (For Non-Muslim)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	*Mathematics I	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
MA 213	Discrete Maths	3-0
MA 113	*Mathematics II	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
CS 222T	Operating Systems	2-0
CS 222L	Operating Systems Lab	0-1
IT 212T	Database Systems	3-0
IT 212L	Database Systems Lab	0-1
CS 208T	Programming For AI	2-0
CS 208L	Programming For AI Lab	0-1

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
IT 202T	Artificial Intelligence (Foundation)	2-0
IT 202L	Artificial Intelligence (Foundation) Lab	0-1
SE 201	Software Engineering	3-0
	Elective I (Domain Elective)	3-0
MGT 107	Principles of Management	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 17
CS 336T	Knowledge Representation & Reasoning	2-0
CS 336L	Knowledge Representation & Reasoning Lab	0-1
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
CS 204T	Computer Organization & Assembly Language	3-0
CS 204L	Computer Organization & Assembly Language Lab	0-1
	Elective II (Domain Elective)	3-0
MKT 227	Principles of Marketing	3-0
IT 390	Field Experience	0-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
CS 305T	Computer Vision	2-0
CS 305L	Computer Vision Lab	0-1
CS 241T	Design and Analysis of Algorithms	
	Pre Req: CS 232T	2-0
CS 241L	Design and Analysis of Algorithms Lab	
	Pre Req: CS 232L	0-1
CS 404T	Machine Learning	2-0
CS 404L	Machine Learning Lab	0-1
	Elective III (Domain Elective)	3-0
	Elective IV (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 423T	Parallel and Distributed Computing	
	Pre Req: CS 222T	2-0
CS 423L	Parallel and Distributed Computing Lab	
	Pre Req: CS 222L	0-1
ENG 440	Technical & Research Report Writing	3-0
CS 302T	Artificial Neural Networks & Deep Learning	2-0
CS 302L	Artificial Neural Networks & Deep Learning Lab	0-1
	Elective V (Domain Elective)	3-0
RES 491	Project Phase I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
	Elective VI (Domain Elective)	3-0
	Elective VII (Domain Elective)	3-0
RES 492	Project Phase II	0-3

Specialization with List of Electives

Artificial Intelligence

Course Code	Course Title	Cr. Hrs.
COM 406	Digital Image Processing	2-1
CS 426	Fuzzy Systems	2-1
CS 432	Reinforcement Learning	2-1
CS 409	Deep Learning	2-1
CS 435	Swarm Intelligence	2-1
CS 425	Agent Based Modeling	2-1
CS 427	Knowledge Based Systems	2-1
CS 460	AI for Games	2-1
CS 461	Virtual Reality	2-1
CS 462	Prompt Engineering	2-1
CS 414T	Robotics & IoT	2-1
CS 421	Natural Language Processing	3-0

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for it.

Bachelor of Science in Data Science

Program Code	228
Number of Courses	42 Theory + 19 Lab + FYP
Credit Hours	135

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 50% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

PEO 1 Computing Foundation: To produce graduates with a deep understanding of both the theory and practice of data science, empowering them to effectively solve and analyze complex problems in the field.

PEO 2 Professional Growth: To ensure proficiency in designing and developing solutions to diverse problems, utilizing the latest tools and technologies, while demonstrating expertise both individually and as effective team members.

PEO 3 Societal Responsibility: To produce graduates who exhibit effective communication, uphold professional and ethical standards, and possess the capability for independent learning throughout their personal and professional endeavors.

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Graduate Attributes:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-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.

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

GA-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.

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

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

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

GA-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

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

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

Scheme of Studies

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
MA 213	Discrete Maths	3-0
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/Values Ethics (For Non-Muslim)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	*Mathematics I	3-0
*Mandatory course for Pre-Medical background, Non Credit Course.		

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
GS 108T	Applied Physics	2-0
GS108L	Applied Physics Lab	0-1
MA 113	*Mathematics II	3-0
*Mandatory course for Pre-Medical background, Non Credit Course.		

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
CS 222T	Operating Systems	2-0
CS 222L	Operating Systems Lab	0-1
IT 212T	Database Systems	3-0
IT 212L	Database Systems Lab	0-1
CS 321T	Introduction to Data Science	2-0
CS 321L	Introduction to Data Science Lab	0-1

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
IT 202T	Artificial Intelligence (Foundation)	2-0
IT 202L	Artificial Intelligence (Foundation) Lab	0-1
SE 201	Software Engineering	3-0
MA 314	Advanced Statistics	3-0
	Elective I (Domain Elective)	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 16
CS 307T	Data Visualization	2-0
CS307L	Data Visualization Lab	0-1
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
CS 204T	Computer Organization & Assembly Language	2-0
CS 204L	Computer Organization & Assembly Language Lab	0-1
	Elective II (Domain Elective)	3-0
MGT 107	Principles of Management	3-0
IT 390	Field Experience	0-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
CS 306T	Data Mining	2-0
CS 306L	Data Mining Lab	0-1
CS 308T	Data Warehousing & Business Intel.	2-0
CS 308L	Data Warehousing & Business Intel. Lab	0-1
CS 241T	Design and Analysis of Algorithms Pre Req: CS 232T	2-0
CS 241L	Design and Analysis of Algorithms Lab Pre Req: CS 232L	0-1
	Elective III (Domain Elective)	3-0
	Elective IV (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 423T	Parallel and Distributed Computing	2-0
	Pre Req: CS 222T	
CS 423L	Parallel and Distributed Computing Lab	0-1
	Pre Req: CS 222L	
ENG 440	Technical & Research Report Writing	3-0
	Elective V (Domain Elective)	3-0
MKT 227	Principles of Marketing	3-0
RES 491	Project Phase I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
	Elective VI (Domain Elective)	3-0
	Elective VII (Domain Elective)	3-0
RES 492	Project Phase II	0-3

Specialization with List of Electives**Data Science**

Course Code	Course Title	Cr. Hrs.
CS 303T	Big Data Analytics	2-1
IE 332	Modeling & Simulation	2-1
CS 304T	Business Process Analysis	2-1
CS 428T	Platforms & Architectures for Data Science	2-1
CS 341	Cloud Computing Fundamentals	2-1
CS 429T	Topics in Data Science	2-1
CS 421	Semantic Web	3-0
CS 413	Enterprise System	3-0
IT 465T	Distributed Database	2-1
IT 335T	Database Programming	2-1

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Bachelor of Science in Cyber Security

Program Code	229
Number of Courses	42 Theory+19 Lab+Project
Credit Hours	135

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	14 Semesters, 7 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/ Computer Science/ Pre-Medical) with at least 50% marks or A- Levels (22 Points) with Equivalency Certificate form IBCC Islamabad or an equivalent Certificate from a recognized institution.

Pre Medical Students must pass Deficiency courses of Mathematics of 6 Credit Hours with in the first year of their regular studies.

Candidates need to pass an Entry Test/ Aptitude interview conducted by the University.

Program Educational Objectives:

PEO1 Computing Foundation: Graduates will demonstrate advanced expertise in Cyber Security, possessing in-depth knowledge of cyber security principles, technologies, and best practices.

PEO2 Professional Growth: Graduates will exhibit proficiency in practical skills related to threat detection, incident response, and secure systems development.

PEO3 Societal Responsibility: Graduates will embody ethical principles and values essential for responsible cyber security practice and global cyber security initiatives.

Graduate Attributes:

GA-1 Academic Education: Completion of an accredited program of study designed to prepare graduates as computing professionals.

GA-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.

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

GA-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.

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

GA-6 Individual and Teamwork: Function effectively as an individual and as a member or leader of a team in multidisciplinary settings.

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

GA-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

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

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

Scheme of Studies

1st Semester

Course Code	Course Title	Cr. Hrs. 17
IT 107T	Applications of ICT	2-0
IT 107L	Applications of ICT Lab	0-1
CS 116T	Programming Fundamentals	3-0
CS 116L	Programming Fundamentals Lab	0-1
GE 101	Functional English	3-0
GS 108T	Applied Physics	2-0
GS 108L	Applied Physics Lab	0-1
GE 105	Civics & Community Engagement	1-1
GS 123/141	Islamic Studies/Values Ethics (For Non-Muslim)	2-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0
MA 112	*Mathematics I	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

2nd Semester

Course Code	Course Title	Cr. Hrs. 18
CS 125T	Object Oriented Programming Pre Req: CS 116	3-0
CS 125L	Object Oriented Programming Lab	0-1
EE 223T	Digital Logic Design	2-0
EE 223L	Digital Logic Design Lab	0-1
MA 313	Probability & Statistics	3-0
ENG 116	Expository Writing	3-0
GE 201	Ideology & Constitution of Pakistan	2-0
MA 213	Discrete Maths	3-0
MA 113	*Mathematics II	3-0

*Mandatory course for Pre-Medical background, Non Credit Course.

3rd Semester

Course Code	Course Title	Cr. Hrs. 17
CS 232T	Data Structures & Algorithms	3-0
CS 232L	Data Structures & Algorithms Lab	0-1
MA 101	Calculus & Analytical Geometry	3-0
CS 222T	Operating Systems	2-0
CS 222L	Operating Systems Lab	0-1
IT 212T	Database Systems	3-0
IT 212L	Database Systems Lab	0-1
	Elective I (Domain Elective)	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CS 203T	Computer Networks	2-0
CS 203L	Computer Networks Lab	0-1
MA 105	Multivariable Calculus	3-0
IT 202T	Artificial Intelligence (Foundation)	2-0
IT 202L	Artificial Intelligence (Foundation) Lab	0-1
SE 201	Software Engineering	3-0
CS 346T	Information Security	2-0
CS 346L	Information Security Lab	0-1
MKT 227	Principles of Marketing	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 17
CS 316	Information Assurance	3-0
CS 206T	Introduction to Cyber Security	2-0
CS 206L	Introduction to Cyber Security	0-1
CS 204T	Computer Organization & Assembly Language	3-0
CS 204L	Computer Organization & Assembly Language Lab	0-1
	Elective II (Domain Elective)	3-0
MGT 107	Principles of Management	3-0
IT 390	Field Experience	0-1

6th Semester

Course Code	Course Title	Cr. Hrs. 18
MA 235	Applied Linear Algebra	3-0
CS 314T	Digital Forensics	3-0
CS 314L	Digital Forensics Lab	
CS322T	Network Security	2-0
CS322L	Network Security Lab	0-1
CS 241T	Design and Analysis of Algorithms	2-0
	Pre Req: CS 232T	
CS 241L	Design and Analysis of Algorithms Lab	
	Pre Req: CS 232L	
	Elective III (Domain Elective)	3-0
	Elective IV (Domain Elective)	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 423T	Parallel and Distributed Computing	
	Pre Req: CS 222T	2-0
CS 423L	Parallel and Distributed Computing Lab	
	Pre Req: CS 222L	0-1
ENG 440	Technical & Research Report Writing	3-0
CS 326T	Secure Software Design & Development	2-0
CS 326L	Secure Software Design & Development Lab	0-1
	Elective V (Domain Elective)	3-0
RES 491	Project Phase I	0-3

8th Semester

Course Code	Course Title	Cr. Hrs. 15
CS 444	Professional Practices	3-0
MGT 270	Entrepreneurship	3-0
	Elective VI (Domain Elective)	3-0
	Elective VII (Domain Elective)	3-0
RES 492	Project Phase II	0-3

Specialization with List of Electives

Cyber Security

Course Code	Course Title	Cr. Hrs.
CS 439T	Penetration Testing	2-1
CS 431T	Cyber Law & Cyber Crime (Cyber Warfare)	2-1
COM 204	Data Communication	3-0
CS 424	Database Security	3-0
CS 415	Open Source Operating System	3-0
CS 411T	Embedded Systems	2-1
IT 302T	Advanced Netwroking	2-1
COM 375	Next Generation Networks	3-0
COM 422T	Routing & Switching	2-1
CS 430T	Advanced Digital Logic Design	2-1
CS436T	Computer Architecture	2-1
CS 329T	Wireless and Mobile Security	2-1
CS 318T	Malware Analysis	2-1

The facility for teaching of any of the elective course will be arranged only if reasonable number of students opt for.

Bachelor of Science in Computer Engineering Technology

Program Code	180
Number of Courses	33 + Research Project
Credit Hours	134

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Intermediate (Pre-Engineering/Computer Science/DAE in relevant Field) with at least 50% Marks or any equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test and an aptitude interview conducted by the University.

Program Educational Objectives:

- PEO-1:** Engage in applications oriented work and management of computer systems, including software, hardware, computer networking and network management.
- PEO-2:** Use appropriate theory, mathematics and computational technology to analyze and solve problems encountered in the applications of computersystems.
- PEO-3:** Communicate, using oral, written and computer based communication technology, as well as function effectively as an individual and a team member in processional environment.
- PEO-4:** Pursue lifelong learning and continuous improvement of their knowledge and skills in the design, development, and application of computer systems in diverse industries with the highest professional and ethical standards.
- PEO-5:** Understand the local, national and global issues related to the development and applications of computer systems and to be considerate of the impact of this issue on different cultures.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 18
CET 100	Introduction to Computing Technology	0-1
CET 102	Programming Fundamentals	2-1
ENG 111	Communication Skills	3-0
GH 101	Islamic Studies	2-0
GS 101	Applied Physics	2-1
MA 101	Calculus and Analytic Geometry	3-0
MGT 106	Principles of Management	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester

Course Code	Course Title	Cr. Hrs. 19
CET 103	Discrete Maths	3-0
CET 107	Digital Logic Design	2-1
CET 105	Circuit Analysis	2-1
CET 109	Engineering Drawing in AUTOCAD	0-1
CET 111	Object Oriented Programming	2-1
ENG 220	Effective Communication Skills	3-0
MA 203	Probability and Statistics	3-0

3rd Semester

Course Code	Course Title	Cr. Hrs. 18
CET 211	Computer Architecture	2-1
CET 213	Data Communication & Networks	2-1
CET 215	Database Systems	2-1
CET 217	Data Structures & Algorithms	2-1
CET 219	Electronics Devices & Circuits	2-1
MA 242	Differential Equations	3-0

4th Semester

Course Code	Course Title	Cr. Hrs. 18
CET 220	Assembly Language Programming	2-1
CET 222	Digital System Design	2-1
CET 224	Operating System	2-1
CET 226	System Programming	2-1
MA 235	Linear Algebra	3-0
MKT 225	Principles of Marketing	3-0

5th Semester

Course Code	Course Title	Cr. Hrs. 18
CET 310	Microprocessors Interfacing Technologies	2-1
CET 311	Signals & Systems	2-1
CET 314	Embedded Systems	2-1
CET 316	Mobile App Development	2-1
CET 318	Network Security & Cryptography	2-1
CET 320	Real-time Operating Systems	2-1

6th Semester

Course Code	Course Title	Cr. Hrs. 17
CET 322	Digital Signal Processing	2-1
CET 324	Software Engineering	2-1
CET 390	Technology Project	0-6
GH 103	Pakistan Studies	2-0
ENG 322	Technical Report Writing	3-0

7th Semester

Course Code	Course Title	Cr. Hrs. 16
CET 401	Supervised Industrial Training-I	0-16

8th Semester

Course Code	Course Title	Cr. Hrs. 16
CET 401	Supervised Industrial Training-I	0-16

Program Learning Outcomes (PLO's)

- PLO-01: Technology Knowledge: To Apply knowledge of computer technology and the implementation of the technology to solve the technical problems and to find solution of complex technical scenarios.
- PLO-02: Problem Analysis: To identify, analyze and understand the technical problems and to formulate appropriate solutions for them.
- PLO-03: Implementation of Design of Solution: To Develop the ability of implementing the formulated solution for technical problems.
- PLO-04: Investigation: To investigate the technical problem in a step-wise manner including a thorough survey of the problem, understanding its design, formulating numerous solutions and experimenting with various solutions to finalize one according to the design.
- PLO-05: Modern Tool Usage: To analyze all the updated tools and to utilize most updated IT tools for designing of a solution for a technical problem including prediction and modeling of technical activities with an understanding of limitations.
- PLO-06: The Technology and Society: To conduct a survey for the use of technology in the most professional and ethical manner
- PLO-07: Environment and Sustainability: To understand the impact of technical tools on the environment and to make sure the technological solutions demonstrate a safe environment along with the sustainable development of society
- PLO-08: Ethics: To conduct ethical principles for the fulfillment of all the ethical norms of the technical practices
- PLO-09: Individual and Team Work: To be able to work individually if needed and give an effective output as well as to be able to produce best in team work
- PLO-10: Communication: To communicate effectively with the engineering community and deliver the best of one's knowledge through effective communication skills and to give/receive clear instructions
- PLO-11: Project Management: To be able to demonstrate the impact of technical solutions of one's own work and to manage projects in a multi-disciplinary environment
- PLO-12: Life-Long Learning: To be able to recognize the importance of being always indulged in a learning environment and to pursue life-long learning for every new development in technical environment

Hierarchical Model of Outcomes at SUI

Vision and Mission Statements of SUI/Faculty/Department



Program Educational Objectives (PEOs)



Program Learning Outcomes (PLOs)



Course Learning Outcomes (CLOs)



Abdur Rahman Khan

Team leads at Saudi Arabia

CCS China

Saudi Communications

SUIT is really the best educational organization. CDC is one of the great platforms for the SUI alumni which provides a great employment opportunity. I am glad to be a beneficiary of this platform personally.

Department of Mathematics

Mission

The Mathematics Department aims to deliver top-quality education and research, equipping students with essential analytical skills for diverse careers and fostering an inclusive, innovative academic community.

Program Offered: Bachelor of Science in Mathematics

Faculty Members, Department of Mathematics

Dr. Tariq Abbas	Professor	Ph.D Mathematics, Islamia College University, Peshawar
Dr. Azhar Ali	Associate Professor	Ph.D Mathematics, Islamia College University, Peshawar
Dr. Haroon-ur-Rasheed	Associate Professor	Ph.D Mathematics, Abdul Wali Khan University, Mardan
Mr. Mumtaz Khan	Associate Professor	M.Phil Maths, Strathclyde University
Dr. Shahid Mahmood	Associate Professor	Ph.D Mathematics, Abdul Wali Khan University, Mardan
Ms. Asmarah Kanwal	Assistant Professor	M.Sc Maths, University of Peshawar
Mr. Muhammad Jebran Khan	Assistant Professor	MS Mathematics, Bacha Khan University, Charsadda

Bachelor of Science in Mathematics

Program Code	220
Number of Courses	45 + FYP
Credit Hours	132

Minimum Duration	8 Semesters, 4 Years
Maximum Duration	16 Semesters, 8 Years
Minimum CGPA Required To Earn Degree	2.00

Eligibility:

Candidates having F.Sc (Pre-Engineering/ Computer Science) or A-Levels with an Equivalency Certificate from IBCC Islamabad with at least 50% Marks or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an Entry test/apptitude interview conducted by the university.

Program Objectives:

The objectives of BS in mathematics program are to prepare graduates with enhanced skills, knowledge and attributes that will be needed for a successful career and professional accomplishments after graduation. The program aims to produce graduates who:

- Have an appropriate combination of theoretical knowledge and practical skills to advance professionally in mathematics and related fields.
- Are able to use mathematical tools and language to understand the physical world around us.
- Are able to adapt to and succeed in a dynamic global environment.
- Are prepared to participate in lifelong learning opportunities.
- Are prepared for a professional career in education, or in business, industry and research institutions.
- Are prepared to continue formal education and obtain advanced degrees in mathematics or related fields.
- Aspire to evolve as integral part of society through their knowledge and professional skills.

Program Outcomes

At the end of the BS Program in Mathematics, students will be able to:

- Acquire knowledge of the variety of mathematical areas and their interrelation.
- Acquire the mathematical knowledge and skills necessary for success in their program or career.
- Develop the ability to read, discuss, and speak about mathematics.
- Develop the ability to work both independently and collaboratively on mathematical problems.
- Acquire knowledge of the roles of intuition, formalization, and proof in mathematics.
- Develop problem-solving skills.
- Develop the ability to write about mathematics.
- Develop critical thinking skills.

Scheme of Studies:

1st Semester

Course Code	Course Title	Cr. Hrs. 17
MAT 101	Calculus-1	3-0
GS 107	Introductory Mechanics	2-1
ENG 101	Functional Communication (English-I)	3-0
GS 123	Islamic Studies	2-0
IT 107	Applications of Information and Communication Technologies	2-1
MAT 103	Elements of Set Theory and Mathematical Logics	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

2nd Semester		
Course Code	Course Title	Cr. Hrs. 16
MAT107	Calculus-II	3-0
MAT109	Discrete Mathematics	3-0
Gs201	Islamic History	2-0
GH 200	Pakistan Studies	2-0
MAT 204	Linear Algebra	3-0
ENG 290	Report Writing (English-II)	3-0

3rd Semester		
Course Code	Course Title	Cr. Hrs. 16
MAT 202	Calculus-III (Multivariable Calculus)	3-0
MAT 214	Algebra-1 (Group Theory)	3-0
GE 203	Entrepreneurship	2-0
MAT 401	Complex Analysis	3-0
MAT 209	Elementary Statistics	3-0
MGT 106	Principles of Management	2-0

4th Semester		
Course Code	Course Title	Cr. Hrs. 17
MAT 212	Affine and Euclidean Geometry	3-0
MAT 318	Algebra-II (Ring and Field)	3-0
GE 205	Civics and Community Engagement	1-1
MAT 206	Statistics and Probability Theory	3-0
MAT 309	Ordinary Differential Equations	3-0
MAT 220	Vector and Tensor Analyses	3-0

5th Semester		
Course Code	Course Title	Cr. Hrs. 18
MAT 301	Real Analysis-1	3-0
MAT 303	Numerical Analysis-I	3-0
MAT 305	Methods of Mathematical Physics	3-0
MAT 307	Dynamics	3-0
MAT 322	Integral Equations	3-0
IT 344	Programming with MATLAB	2-1

6th Semester		
Course Code	Course Title	Cr. Hrs. 18
MAT 312	Real Analysis-II	3-0
MAT 316	Partial Differential Equations	3-0
GS 341	Electricity and Magnetism	2-1
MAT 314	Numerical Analysis-II	3-0
MAT 340	Business Mathematics	3-0
RES 350	Field Experience	0-3

7th Semester		
Course Code	Course Title	Cr. Hrs. 15
MAT 406	Basic Topology	3-0
MAT 403	Fluid Mechanics	3-0
MAT 405	Differential Geometry	3-0
RES 477	Research Methodology	3-0
MAT 441	Functional Analysis	3-0

8th Semester		
Course Code	Course Title	Cr. Hrs. 15
MAT 420	Number Theory	3-0
MAT 444	General Topology	3-0
ECO 315	Econometrics	3-0
MAT 433	Graph Theory	3-0
RES 485	Final Year Project	0-3



ADMISSION PROCESS

1. Application/ Admission Procedure

University offers undergraduate admissions bi-annually in the Fall and Spring Semesters (other than Nursing, Engineering and Pharmacy Programs, which are offered once a year in Fall Semester) in accordance with the following procedure:

- 1.1 Admission to undergraduate programs of the University shall be advertised by the Directorate of Admissions in consultation with Concerned Heads of Departments / Directors of Institutes.
- 1.2 The Candidate shall meet the eligibility criteria as mentioned against the program of interest.
- 1.3 Prospectus along with admission forms are available on the website, at TCS outlets of Khyber Pakhtunkhwa, and Main Campus of the University.
- 1.4 Application for admission must be made on the form enclosed within the prospectus. Photocopy or computer print will not be accepted. In case candidates apply online, they should submit hard copy of online submitted form only with all required credentials to the directorate of Admissions on or before prescribed dates mentioned in the advertisement.
- 1.5 Each candidate shall submit only one application. The applicant shall clearly mention the choices of the programs of interest.
- 1.6 Applications for admissions shall be submitted online through website or physically to the Directorate of Admissions within the prescribed period.
 - a. Receipt of online application shall be acknowledged through text message on the cell number given in the application form.
 - b. Receipt of application submitted through surface mail (by post/courier service) shall be acknowledged via text message on the cell number given in the application form.
 - c. Receipt of application submitted on campus shall be acknowledged at the time of submission.
- 1.7 The University reserves the right to reject any application received after due date and allotted time and/or found deficient in any respect.
- 1.8 Incomplete Applications in any respect will not be considered.
- 1.9 The number of students to be admitted shall be determined by the Head of Department/Director of institute in consultation with concerned Dean, Competent Authority as per allocated seats.
- 1.10 Entry Test/Interview are to be conducted as per the respective Department/Institute Policy.
- 1.11 Merit lists will be uploaded on the University's Website, other official social media platforms, and Directorate of Admissions Notice Board.

- 1.12 Two sets of attested copies of certificates, testimonials and four colour photographs (White background) should be attached with the application form.
- 1.13 Hard copies of the online submitted application form along with all required credentials should be submitted by the selected applicant to the Directorate of Admissions on or before prescribed dates as per advertisement.
- 1.14 According to merit list(s), the selected candidates shall be required to submit their original credentials to the Admissions Committee for verification. An Admissions Committee shall consider the applicants for admission to different programs on the basis of academic record, entry / aptitude test and or interview of the candidates. After successful scrutiny of the documents, the Admission Committee shall issue invoices to the selected candidates.
- 1.15 The admission of a candidate to a program shall initially be provisional, to be confirmed after:
- verification of testimonials / documents,
 - removal of course deficiencies, if any.
- 1.16 Applicants and their parents shall give an undertaking to abide by the Rules and Regulations of the University and such instructions as may be issued by the Competent Authority of the University from time to time.
- 1.17 Responsibility of correctness of the provided data in the application form shall rest upon the applicant. In case of any discrepancy or false information provided in application form/submitted documents, the admission shall be cancelled at any stage of the degree program.
- 1.18 In order to secure admission, the selected student shall deposit Admission Fee along with Tuition Fee of the first semester in designated branch of the authorized bank of the University by the due date given in the invoice.
- 1.19 Applicants with a Bachelors (2 years) or Associate Degree completed in Annual System whether their qualification is relevant or irrelevant to the subject program will be required to study a bridge semester/additional courses in order to complete at least 130 credit hours (as only 50 credit hours of their previous Annual Mode degree will be considered). In case of relevant qualification in annual mode, the concerned Department will decide the courses to be taken in the appropriate semester. In addition, candidates must have studied compulsory subjects of Islamic Studies and Pakistan Studies / Ideology of Pakistan in their Bachelors/Associate Degree, otherwise, they will be required to study these subjects at SUIT in order to overcome the deficiency.

2. Restrictions and Declarations

- 2.1 Candidates punished by their previous institutions or universities on account of indiscipline or undesirable activities (major penalties) shall not be admitted in the University .
- 2.2 The authority concerned may refuse admission to a student who, in its opinion, has malafide intentions or undesirable background.

4. Procedure for Admission of Foreign Students

Non-Pakistani candidates desirous of joining Sarhad University are required to produce the following documents:

4.1. For Provisional Admission

- i. No Objection Certificate (NOC) from the Pakistan Embassy in the respective foreign country .
- ii. Duly-filled HEC Admission Proforma for Foreign Candidates.
- iii. Copy of valid Passport along with Visa.
- iv. Photocopies of all previous educational certificates/degrees attested by the concerned Embassy and Pakistan Foreign Office.
- v. Equivalence Certificate for Higher Secondary School Certificate (12-years of education) from the Inter Board Committee of Chairmen (IBCC), Plot No. 25, Street 38, G-10/4, Near Federal Government Employees Housing Foundation, Islamabad (Pakistan), Phone No: 051-9106630-36.
- vi. English Language Proficiency Certificate from the Pakistan Embassy in the respective foreign country .

4.2. For Confirmed Admission

- i. No Objection Certificate (NOC) from Higher Education Commission (HEC) for Admission in concerned degree program.
- ii. Study VISA for concerned degree program.

5. Admissions Committee

The following Admissions Committee is responsible to process admissions of all undergraduate programs:

- a. Head of the concerned Department / Director of the concerned Institute.
- b. One senior faculty member, other than Lecturer, to be nominated by the Dean of the concerned Faculty.
- c. Director Admissions.

IMPORTANT RULES & REGULATIONS

1.1 Enrolment in Semester / Term

- a. At the beginning of each semester/ term, a student must enroll in courses of studies on the prescribed enrolment form.
- b. The enrolment shall not be deemed complete unless a student makes payment of all prescribed fees and submits the course enrolment form.
- c. Enrolment and fee payment shall be completed by the dates notified for this purpose, provided the authority concerned may, in special circumstances and on the payment of a late fee of Rs. 5,000/-, permit a student to enroll within 3 weeks after the commencement of a semester/ term. This permission of late admission/ enrolment shall be at the student's risk who shall be responsible to make up for the deficiency on his/her own.
- d. A student admitted to a program shall, for so long as he/she has not completed all requirements for the degree, enrol himself/ herself for each semester/ term, failing which his/her admission shall stand cancelled. In case he/she desires readmission, he/she shall have to apply afresh. The concerned authority may re-admit such a candidate, or refuse admission if reasons advanced are not convincing.
- e. A student who discontinues with permission may seek readmission in the same or subsequent semester/ term on the recommendations of the concerned faculty/ department/ institute and approval of the Competent Authority.
- f. A student shall not be allowed to enrol in a course having a pre-requisite course unless he/she passes that pre-requisite course.
- g. Course Audits: Students enrolled at Sarhad University may, on recommendations of their advisors/ tutors and approval of the concerned Dean/ Head of Department / Director of Institute, audit courses. Such students shall not receive any credit for the courses taken on audit basis. In order for a successful audit to show on a student's academic record (transcript), the student shall comply with all requirements specified by the teacher/ concerned department. Failure in meeting such requirements may lead to award of letter grade W (for withdrawn). Successful audit shall be indicated by letter grade V (for verified). Students registering for courses on audit basis shall pay tuition fees at the regular rate.
- h. In some programs, the theory and lab components are treated as separate courses. In such a case, if the theory component of a course (say Level I) is pre-requisite for the next higher course (Level II), enrolment in theory and lab components of Level II course shall be allowed only if the theory component of Level I is passed. A student who has failed theory of Level I, but passed lab of Level I shall neither be allowed to enrol in theory nor lab of Level II.
- i. The courses will be offered subject to the availability of the faculty and reasonable number of students.

1.2 Freezing of Semester/Term

- a. A bonafide student of the University may apply in person, or through parents/ guardian, for freezing of a regular semester, within five weeks from the date of commencement of semester, provided the student has paid the semester dues by the prescribed date. No fee shall be paid when the student subsequently enrolls in the next semester except for the difference of fee of the semester frozen and the semester in which the student enrolls.
- b. If a student freezes semester(s), he/she shall resume his/her studies from the same stage where he/she left (froze).
- c. If a student is not enrolled in any course in a semester, he/she shall not be considered a regular student of the University in that period. The student may then enrol in the courses in a subsequent semester; however, he/she shall meet pre-requisites of any course taken. Further, the University is not required to offer all courses in each semester.
- d. In special hardship cases, the University may develop any criteria for freezing a semester with the prior permission of

the Competent Authority. Medical certificate shall be duly issued by Government Hospital Doctor/ Physician.

- e. The duration of freezing is one year; a candidate who gets a semester frozen can get readmission next year with the upcoming session.
- f. Freezing of first semesters shall not be allowed.
- g. Under special hardship circumstances, freezing of first semester may be considered with the approval of the Competent Authority.
 - . Iddat
 - . Maternity
 - . Death in the immediate family
 - . Any other situation, subject to acceptance on justified rationale.

Note: Freezing of semester shall only be allowed after successful completion of 1st Semester.

2. Cancellation of Admission

Admission shall be cancelled if:

- 1.1 A bonafide student of the University applies in person, or through parents/guardian, for cancellation of admission on a non-judicial stamp paper, duly attested by an Oath Commissioner. The Vice Chancellor shall cancel the admission of the student on the recommendation of the Head of Department / Director of Institute through the concerned Dean.
- 1.2 A student registered in a semester/term remains willfully absent from the classes continuously for a period of 40 days. Such action shall be taken on the recommendation of the Head of the concerned Department.
- 1.3 If a student enrolls himself / herself in any other program of Sarhad University or some other University/DAI while registered at Sarhad University, his / her admission shall be cancelled immediately.
- 1.4 On the recommendation of the University Disciplinary/ Un Fair Means Committee the admission can be cancelled with the approval of the Vice Chancellor. However, the concerned student can appeal to the Appellate Committee through proper channel.

3. Re-Enrolment

3.1 Semester System

- a. A student receiving F or W grade in any course shall be required to re-enrol in that course. A student receiving C, D or D+ grade in a course may also re-enrol in that course, subject to a maximum of one chance to improve his/her grade.
- b. A department may offer Repeated Courses (over and above the regularly scheduled courses with total credit hours not exceeding 18 for two/ four-Year degree programs and 22 credit hours for five-year degree program) during a regular semester to facilitate re-enrolling students. However, minimum number of students re-enrolling shall be 10; otherwise, the course shall be dropped.
- c. A student may re-enrol for a maximum of 2 courses during the Summer Semester. During a regular semester (Spring/Fall), a student may re-enrol for a course (in addition to the prescribed courses) on the payment of prescribed fee provided the maximum credit hours limit is not violated.
- d. If a course is abolished due to revision in curriculum or scheme of studies, the Head of Department / Director of Institute may recommend a relevant course from the existing curriculum as replacement for the

candidates who need to re-enrol in the abolished course. The same shall be reflected in the students' Registration Forms and Transcripts.

3.2 Term System

- a. A student receiving F grade in any course shall be required to re-enrol in that course. A student receiving up to 64 marks in a course may also re-enrol in that course, subject to a maximum of one chance to improve his/her marks.
- b. A department may offer Repeated Courses (over and above the regularly scheduled courses and total courses not exceeding 7) during a regular term in order to facilitate the students. However, the number of re-enrolment students must be at least 5 or with the approval of the Dean on the recommendation of the Head of Department / Director of Institute. Otherwise, the course shall be dropped.
- c. During a regular term a student may re-enrol for courses (in addition to the prescribed courses) on the payment of the prescribed fee provided the maximum limit of courses is not violated.
- d. If a course is abolished due to revision in curriculum or scheme of studies, the Head of Department / Director of Institute may recommend a relevant course from the existing curriculum as replacement for the candidates who need to re-enrol in the abolished course. The same shall be reflected in the students' Registration Forms and DMCs.

4. Payment of Dues

At the time of admission, every student shall be required to deposit admission fee, registration fee, security, semester / term enrolment fee, tuition fee, examination fee, lab/chemical charges, and any other fee prescribed in the form of demand draft in the name of Sarhad University Peshawar, or deposit it at specified branch(es) of an authorized bank.

Similarly, for each subsequent semester/ term, dues shall be paid by the prescribed dates. Otherwise, the admission shall be cancelled.

5 (a) Semester System

- a. Sarhad University follows the semester system. There are two semesters (Fall and Spring) every year. Each semester is spread over 18 weeks (including examinations). At the end of each semester, two to three weeks are allowed for the compilation of results. Students promoted to the next semester have to complete their enrolment during the first week of each semester. Admissions are announced in August for the Fall semester usually commencing in October/November, whereas admissions for the Spring semester are announced in February. The Spring semester usually commences in April each year.
- b. The University may plan a crash semester (Summer Semester) of eight weeks during the summer break. Students who are interested to reappear and clear their failed courses / or want to improve grade shall be afforded the opportunity to do so during the Summer Semester. A student shall be allowed to take maximum two courses during the Summer Semester.
- c. While all degree programs have their specific durations, number of courses, and credit hour requirements, in general, a four-year degree program requires the completion of about 130 credit hours usually in eight semesters, whereas a two-year degree program requires the completion of more than 66 credit hours, usually in four semesters.
- d. By definition, a credit hour means teaching a theory course for one hour each week throughout the semester (provided the semester duration is at least 16 weeks excluding examinations). One credit hour in laboratory or experimental work requires contact of three hours per week throughout the semester. The

credit hours are denoted by two digits with a hyphen in between. The first digit represents the theory part, whereas the second (right side) digit represents the practical. Thus, 3-0 means three credit hours of theory, whereas 3-1 means a total of four credit hours, of which three credit hours are for theory and one credit hour is for laboratory. The weekly contact hours of a 3-0 course shall be three, the contact hours of a 3-1 course shall be six, and the contact hours of a 1-2 course shall be seven. The contact hours during the crash (Summer) semester shall be doubled to ensure that the course is completely taught in the semester with half the duration as compared to a regular (Fall or Spring) semester.

- e. (i). In accordance with the directive of the Government of Pakistan issued vide HEC Letter No. HEC/Curr/SR-533/2023/4520, teaching of the Holy Quran to Muslim Students will be completed during the course of each program.
- (ii). Those students will be exempted from the above condition who have already studied Holy Quran previously, subject to submission of any relevant certificate / diploma issued by Wifaq Ul Madaris AlArabia, Pakistan / DAI.

5(b) Term System

- a. In the Term System, examination is conducted within six months. Thus, two term examinations are conducted in a year. Evaluation of the students is made on the basis of these two examinations.
- b. (i). In accordance with the directive of the Government of Pakistan issued vide HEC Letter No. HEC/Curr/SR-533/2023/4520, teaching of the Holy Quran to Muslim Students will be completed during the course of each program.
- (ii). Those students will be exempted from the above condition who have already studied Holy Quran previously, subject to submission of any relevant certificate / diploma issued by Wifaq Ul Madaris AlArabia, Pakistan / DAI.

6. Withdrawal/Change of Course(s)

- a. When a course, for which a student has enrolled, cannot be offered according to the announced program, the student may take an alternative course. However, this shall be done no later than 15 days after the date of enrolment.
- b. A student, with the consent of the concerned Dean/ Head of Department/Director of Institute, may be allowed to:
 - (i) Change a course within 7 days of the commencement of a semester/ term, and
 - (ii) Drop a course within 5 weeks of the commencement of a regular semester/ term. No fee shall be paid when a dropped course is taken at a later stage.
- c. A student, with the consent of the concerned Dean/ Head of Department/Director of Institute, shall be allowed to withdraw from a course at the latest by the end of the 12th week of the commencement of a regular semester/ term. Withdrawn courses shall appear on the transcript with letter grade W. Students shall have to pay the requisite fee when taking a course from which they had withdrawn earlier.

7. Attendance

- a. A student at the Main Campus shall have attended at least 75% of the classes held in a course in order to be allowed to sit in the final examination. The student shall meet higher attendance requirement if the requirement established by the concerned council is greater than 75 %.
- b. A student having less than 75% attendance, but more than 60% attendance in a particular course and having made up the deficiency in consultation with the concerned teacher, may be allowed by the concerned Dean/ Head of Department/Director of Institute to take the final examination. This clause is not applicable if the attendance requirement established by the concerned council is greater than 75%.
- c. Students having class attendance less than 60% in a particular course shall be required to repeat the course when it is

offered again.

8(a) Examinations (Semester System)

- a. At the Campus, the examination papers for the midterm and final examinations shall usually be set by the subject teacher and submitted to the Head of Department / Director of Institute. The Head of Department / Director of Institute may decide to have the papers set externally. In any case, the Head of Department / Director of Institute shall check the paper for course coverage and appropriate depth and, when satisfied, forward the paper to the Controller of Examinations. Otherwise, the Head of Department / Director of Institute shall refer the paper back to the paper setter for revision.
- b. In each semester, a student's academic progress and standing shall be determined through quizzes, midterm and final examinations, presentations, assignments, and lab reports. These modes of evaluation shall have different weightages and shall contribute towards the overall assessment in percentage marks. The weightages shall be determined by the teacher concerned on the basis of the following guidelines:

Nature of Evaluation	Course with Lab	Theory Course	Lab
Quizzes	5 - 10 %	5 - 15%	-----
Midterm Examination	20 - 30%	30 - 40%	15 - 20%
Presentations and Assignments	5 - 10%	5 - 10%	-----
Lab Work	-----	-----	25 - 30%
Viva	-----	-----	15 - 20%
Report	-----	-----	0 - 10%
Final Examination	30 - 60 %	35 - 60 %	20 - 30 %

- c. In-semester evaluation will be based on quizzes, midterm examination, presentations and assignments, and lab work.
- d. In case a student joins a course after it has started, he/she shall be responsible for any missed lectures, quizzes, assignments, projects and lab work. The marks in the missed quizzes shall be zero, whereas assignments, projects, and lab work may be arranged in consultation with the concerned teacher/Head of Department / Director of Institute.
- e. No make-ups shall be arranged for the quizzes and midterm examinations.
- f. Make-up for the final examination in a course shall be arranged only if a student has been awarded letter grade I in that course.

8(b) Examinations (Term System)

At the campus, the examination paper for midterm and final examinations shall usually be set by the subject teacher and submitted to the Head of Department / Director of Institute. The Head of Department / Director of Institute may also decide to have the papers set externally. In any case, the Head of Department / Director of Institute shall check the paper for course coverage and appropriate depth and, when satisfied, forward the paper to the Controller of Examinations. The Head of Department / Director of Institute may refer the paper back to the paper setter for revision. In each term, students shall be required to appear in quizzes, written tests, final examination, and make presentations, participate in group discussions and submit assignments/lab reports by the set dates. These (to be determined by the teacher concerned) shall have different weightages and contribute towards the overall assessment in percent marks.

9(a) Grading Policy (Semester System)

- a. At the end of each semester, the students shall be awarded letter grades A, B+, B, C+, C, D+, D, or F based on the

percent marks earned in each course. Letter grades W (for withdrawal), I (for incomplete), S (for satisfactory), U (for unsatisfactory), V (for verified) shall not count towards GPA computation. The grade points corresponding to these grades are:

Percent Marks	Letter Grade	Grade Point	Remarks
85 - 100	A	4.00	Excellent
78 - 84	B+	3.50	Outstanding
70 - 77	B	3.00	Good
65 - 69	C+	2.50	Above Average
60 - 64	C	2.00	Average
55 - 59	D+	1.50	Below Average
50 - 54	D	1.00	Poor but Passing
< 50	F	0.00	Failing
-	I	-	Incomplete
-	W	-	Withdrawn
-	S	-	Satisfactory
-	U	-	Unsatisfactory
-	V	-	Verified

- b. The Dean/ Head of Department / Director of Institute of the concerned Faculty/ Department/ Institute may decide to use curving for the award of letter grades instead of using fixed percentages tabulated above.
- c. Seminars and field-work shall be graded Satisfactory (S) or Unsatisfactory (U) instead of letter grades carrying numerical values.
- d. Courses taken on Audit Basis shall show up on the transcript with letter grade V (for verified) and shall not contribute towards GPA computation.
- e. A student, who fails to complete a course for reasons beyond his/her control, may be granted letter grade I. In that case, if the student has secured passing marks in the in-semester evaluations, his/ her make-up final examination shall be conducted to enable him/ her to complete the course and earn a grade. In case, the student has not been able to appear or has failing marks in the in-semester evaluations and is not in shortage of attendance, he/ she shall have to take the course again. The letter grade I shall subsequently be replaced by the earned grade.
- f. Students receiving F grade in any course shall have to repeat the course whenever it is offered again. A student obtaining a D or D+ grade in a course may also repeat that course, if necessary, to improve his/her CGPA. In case of repeated courses, all grades earned by the student shall appear on the transcript; however, only the best grade shall be counted for computation of GPA.
- g. 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 shall be awarded based on the student's sessional and midterm examination marks.

9(b) Grading Policy(Term System)

Grades	Percent Marks	Remarks
A+	80% Marks and above	Distinction
A	70% and above but below 80%	Excellent
B	60% and above but below 70%	Very Good
C	50% and above but below 60%	Good
D	45% and above but below 50%	Fair
E	Less than 45% to minimum	Satisfactory

10. Computation of Semester and Cumulative GPA

Semester and cumulative Grade Point Averages (GPAs) shall be calculated using the following relationships: The GPAs shall be on a scale of 4.00. The semester GPA shall have three digits after decimal (e.g., 2.835), whereas the cumulative GPA will have two digits after decimal (e.g., 2.84).

$$\text{GPA} = \frac{\text{Sum over Semester (Course Credit Hours x Grade Points Earned)}}{\text{Total Semester Credit Hours}}$$

$$\text{CGPA} = \frac{\text{Sum over all taken (Course Credit Hours x Grade Points Earned)}}{\text{Total Credit Hours Taken}}$$

10(a) Transcript (For Semester System)

Provisional transcripts shall be issued to all students free of charge within four weeks of declaration of semester result. Official transcripts shall be issued on the completion of the degree program or on request, provided the requisite fee is paid. Additional copies of the transcripts may also be obtained on the payment of the requisite fee. Mode of education, (i.e. On- campus/Distance/Sub campus) and place of study shall be mentioned on the transcript.

10(b) DMC (Detailed Marks Certificate) (For Term System)

Provisional DMC shall be issued to all students free of charge within four weeks of declaration of term results. Official DMC shall be issued on the completion of the degree program or on the payment of the requisite fee. Additional copies of the DMC may also be obtained on the payment of the requisite fee. Mode of education (i.e. On- campus/Distance/ Sub campus) and place of study shall be mentioned on the transcript.

11(a) Promotion Policy (For Semester System)

- Students who maintain minimum semester and cumulative GPAs of 2.00 shall be promoted to the next semester. Students of Pharm-D / BS Nursing program with CGPA 2.0 shall be promoted to the next professional year.
- A student who fails to maintain the above-mentioned GPA/ CGPA shall be promoted to the next semester on Probation, provided his/her semester and cumulative GPAs are not less than 1.50 (Not applicable for Pharm-D / BS Nursing students).
- A student scoring GPA less than 1.50, but more than 1.00, shall be promoted on Warning. If a student fails to achieve the required GPA/ CGPA after repetition of courses, he/she shall be removed from the University roll.
- A student scoring GPA less than 1.00 shall be declared Failed and shall be required to repeat the semester

- (essentially the courses in which he/ she has grades lower than C). The student may be allowed to take a few courses from those of the next semester. If a student fails to achieve the required GPA/ CGPA after repetition of courses, he/she shall be removed from the University roll.
- e. Students shall show satisfactory academics 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 less than 2.0 in any semester shall be issued written warning by the Head of Department / Director of Institute. A copy of the warning letter shall be also sent to the parents/guardian.
 - II. A student who obtains SGPA of less than 2.0 for three consecutive semesters and his/her CGPA is also less than 2.0 shall have his/her name struck off the rolls of the university and may be readmitted with the junior batch. A written warning of this possibility shall be sent to the student (with copy to the parents/guardian) if his/her SGPA is less than 2.0 for two consecutive semesters.
 - III. A student whose CGPA in the first two semesters is less than 1.5 shall not be allowed to register for the third semester until his/her CGPA has improved to 1.5 or more through reappear.
 - IV. A student who has earned four or more F grades in the first two semesters and these F grades are still outstanding at the end of the 4th semester with CGPA less than 1 shall not be allowed to register in the 5th semester until he/she passes these courses and improve CGPA to 1.5 or more.

11 (b) Promotion Policy (For Term System)

A student shall be promoted to the next term if he/she passes at least 50% courses.

12. Final Year Project

As part of most of the degree programs, students need to complete projects individually or in groups of size not exceeding three.

Title of the proposed Project:

Title should be a crisp phrase. It should neither be too lengthy nor too brief. It must not include name of some organization or individual.

Example: Software Development for Airline Booking System.

Outline of Proposal:

Give details of major objectives and arguments to justify the project. Provide description of approach/scheme/methodology that is intended to be used for the development of this project.

Duration of Project:

For a four-year degree program, the project shall be completed in two semesters, 7th and 8th. Those pursuing one- or two-year degree program may take project during their last semester. The students shall provide a tentative schedule along with the project break down structure.

Plagiarism policy for undergraduate Final Year Project:

Students must make sure that document they are submitting is in proper documenting style (i.e., IEEE, Chicago, MLA, APA, etc.) and is free of plagiarism.

If the research project report has a similarity index $\leq 30\%$, then the benefit of the doubt may be given to the author, but, in case, any single source has a similarity index $> 5\%$ without citation, then it needs to be revised.

A Project Evaluation Committee, constituted by the Head of Department, shall assess the progress of the project through four presentations by students, each carrying 5% marks. In the first presentation, students shall present the project proposal on prescribed format, whereas in the other presentations, progress reports shall be presented. The presentations shall be scheduled as follows:

First Presentation:	Second week of 7th semester.
Second Presentation:	Midterm exam week of 7th semester.
Third Presentation:	Final exam week of 7th semester.
Fourth Presentation:	Midterm exam week of 8th semester.

The viva voce shall be taken by an Departmental Committee comprising the External Examiner, Project Supervisor of the concerned group, and Head of the concerned Department. Each member shall award marks out of 15% making a total of 45% marks. The Examination Committee shall be appointed by the Vice Chancellor on the recommendation of the Head of the concerned Department.

Note: The evaluation of project shall be carried as follows:

Factors on the basis of which the advisors shall rate progress during the project phase:

- Progress
- Independence of work
- Ingenuity
- Overall Learning
- Complexity

Factors on the basis of which Project Reports shall be evaluated:

- Grammar
- Style
- Report Format
- Problem Statement
- Scope and Limitations
- Procedure
- Raw Data / Computer Code (Report and Diskette)
- Theoretical Background and Sample Calculations
- Graphs and Pictures
- Discussion on Results and Conclusions
- Recommendations
- Overall Learning

Factors on the basis of which Presentation shall be evaluated:

- Project procedure stated briefly and to the point i.e. presentation style and skill
- Continuity and clarity of thought reflected
- Requirements and importance of work clearly specified
- Difficulty level of the project
- Conclusions drawn well-explained
- Technical terms used in talk well-defined and correct
- Answers given to the questions put forward by the Examiner(s)

13. Program Completion & Graduation

- a. For graduation, all F grades have to be cleared. Besides, the minimum qualifying CGPA for undergraduate program students is 2.00/4.00. Faculties/ departments/institutes may impose additional requirements like satisfactory completion of internship, practical training, field work, seminars etc.
- b. To earn B.Sc Engineering Degree, a student shall:
 - i. Pass all courses of study prescribed in the relevant scheme of studies.
 - ii. Obtain a Cumulative Grade Point Average (CGPA) of at least 2.00.
 - iii. Complete Survey Camp by the BSc Civil Engineering students to be conducted by the University and certified by the Head, Department of Civil Engineering/Incharge Survey Camp).
- c. Engineering students shall carry out supervised and evaluated internship of 6-8 week duration in line with elective subjects/ specific stream in the 3rd to 4th year of the engineering program. The internships shall be reflected in the transcripts under a prescribed mechanism and with defined and mapped rubrics program objectives:

• Attendance (At least, 75% attendance is mandatory)	10%
• Assessment report from the employer	50%
• Evaluation at relevant HEI/ Department - Presentation	40%
• Total	100%
• Qualifying score in the above assessment	70%
- d. Similarly, Pharm-D students need to meet the clerkship requirement as outlined by their department.

14.1 Transfer of Credits

- a. The policy regarding the acceptance of courses by transfer is to allow credit for courses completed with letter grades C or better (usually, 60% or higher marks) in other recognized Universities.
- b. The transfer student shall file an official transcript of transfer courses and provide other relevant information (course contents/ outlines/ titles of text and reference books) enabling the University to award credit.
- c. An Equivalence Committee comprising three senior faculty members shall oversee such cases. The University may co-opt someone from outside, if necessary. The Committee shall ensure that:
 - i. the courses correspond in time and content to the courses offered at Sarhad University,
 - ii. the courses being considered for transfer were taken within the last five years.
 - iii. the semester duration matches with that of Sarhad University. Thus 16 credit hours taken in a quarter (10 weeks of teaching) shall be considered equivalent to 10 credit hours of a semester of 16 weeks of teaching.
- d. In no case, the transfer credits shall exceed 50% of the overall credit hours for any degree program of interest at Sarhad University.
- e. Applicants shall have to pay the prevalent credit transfer fee.
- f. Transferred /exempted courses shall be reflected on the transcript, but shall not count towards CGPA computation.
- g. Any student taking admission in BS Program after completing 14 years of education under Annual System shall receive 50 credit hours against first 2 years of his/her BS Program and will be required to complete remaining credit hours as per scheme of studies of concerned BS Program to earn 4 years Bachelor degree.

14.2 Exemption Policy

- a. The policy regarding exemption of courses is to allow credit for courses completed with letter grades C or better (usually, 60% or higher marks) in other recognized Universities.
- b. The applicant shall file an official transcript of courses previously taken and provide other relevant information (course contents/outlines/titles of text and reference books) enabling the University to award credits.

- c. An Equivalence Committee comprising three senior faculty members shall oversee such cases. The University may co-opt someone from outside if necessary. The Committee is to ensure that:
 - i. The courses correspond in time and content to the courses offered at Sarhad University,
 - ii. For courses that were taken more than five years back, the contents are still valid and match with those currently being taught.
 - iii. The semester duration matches with that of Sarhad University. Thus, 16 credit hours taken in a quarter (10 weeks of teaching) shall be considered equivalent to 10 credit hours of a semester of 16 weeks of teaching.
- d. In no case, the credits of exempted courses shall exceed from 50% of the overall credit hours for any degree program of interest at Sarhad University.
- e. Applicant shall have to pay the prevalent course exemption fee. Transferred/Exempted courses shall be reflected on the transcript, but shall not count towards CGPA computation.

15. Library

The University has a spacious library with adequate and comfortable seating. It is run by a qualified librarian, and is well-stocked with several thousand books and journals. The following rules, subject to change/ modification by the Library Committee of the University, shall be followed:

- a. A card, known as Library Card, shall be issued to each student/person permitted to borrow books from the library. Such cards shall be strictly non-transferable and shall have to be presented at the time of using Library facilities.
- b. A borrower who loses his/her card shall immediately inform the Librarian in writing. A duplicate card shall be issued to him/her on the payment of fee of Rs. 500/-.
- c. Books shall be issued to the students and staff of Sarhad University of Science & Information Technology, Peshawar, only.
- d. Books shall not be transferred from one person to another.
- e. If a person obtains more than one membership by concealing the facts or in any other way, his/her subsequent membership(s) shall be cancelled and a fine of Rs. 500/- shall be levied for further usage of the library facilities. No Books shall be issued to a defaulting borrower, unless he/she returns the books borrowed previously and pays the due fine.
- f. The borrower who fails to return books at the time of stock-taking shall be liable to fine as decided by the Library Committee.
- g. Manuscripts, reference books as well as reserved materials shall not be issued.
- h. The borrowers shall have to conduct themselves in an orderly manner. The library administration shall have the right to cancel the membership of a person who misbehaves with the library staff or is found taking away the books/reading material without the knowledge of the Librarian or is involved in such activities which are detrimental to the interest of the library. The library administration can also recall a book, if needed, and the borrowers shall be required to meet any such demand.

16. Laboratories

Sarhad University has modern laboratories with large number of computers and related training tools, in all laboratories and project labs. Students of the University shall observe the following rules.

- a. All laboratories shall remain open during the office hours. After office hours, permission may be granted for laboratory use under special circumstances.
- b. No software shall be installed on laboratory PCs without the prior, written consent of the System Administrator/ Laboratory In-charge.
- c. Students shall be allowed to use internet in a laboratory when no class is in progress.

- d. All laboratories provide no-smoking environment and hence all are expected to refrain from smoking.
- e. Viewing obscene material in the laboratories is strictly prohibited and disciplinary action shall be taken against offenders.
- f. In case of technical problem, Laboratory In-charge should be immediately approached.

17. Award of University Gold Medal

Gold Medals shall be awarded to students who fulfil the following conditions:

- a. Pass all University examinations in the first attempt and complete the course work and research project work along with other requirements of internship/course of Quran-e-Majeed Teaching etc in the prescribed number of semesters/ terms / years.
- b. Secure CGPA of at least 3.00 on a scale of 4.00 in Semester System or 1st division in Term/Annual System.
- c. Secure Highest CGPA in his/her discipline. In case of tie between two or more students, aggregate marks obtained in all examinations shall form the basis. If still there is a tie, more than one Gold Medal shall be awarded.
- d. Transferred/ migrated student(s) or those who improve their grades by appearing in makeup or regular examinations shall not be entitled for award a Gold Medal.
- e. Candidate in any discipline or UFM case by the University or Disciplinary Committee or Unfair Means Committee.

18. Rechecking / Re-Totalling

Any student, who is not satisfied with his/her marks /grade in a course may apply for rechecking within 15 days of the declaration of result. Application for rechecking shall be accepted on payment of registration dues (Rs. 1000/- per course). Initially, only re-totalling shall be performed and the paper examined for any unchecked/unmarked portion. If some portion is found unchecked, the paper shall be sent to the concerned grader for rechecking/ re-marking. In case the students marks are enhanced as a result of rechecking/ re-totalling, the fee paid by him/ her shall be refunded.

19. Conduct & Discipline Regulations

- a. These regulations framed as under may be called "The University Students/Scholars Conduct and Discipline Regulations". The University Discipline Committee constituted by the Vice Chancellor shall have the authority and jurisdiction to deal with and decide all cases of indiscipline in accordance with the University Students/Scholars Conduct and Discipline Regulations.
- b. Applicability and Commencement: These regulations shall apply to all students on the rolls of the University.
- c. Students, Code of Conduct: Every student shall observe the following code of conduct:-
 - i. Faithfulness in his/her religious duties and respect for the convictions of others in matters of religion, conscience and customs.
 - ii. Loyalty to Pakistan and refraining from doing anything which might lower its honour and prestige in any way.
 - iii. Truthfulness and honesty in dealing with others.
 - iv. Respect for elders and politeness to all, especially to women, children, old people, weak, deformed and the helpless.
 - v. Respect for teachers and others in authority in the University.
 - vi. Cleanliness of body, mind, speech and habits.
 - vii. Helpfulness to fellow beings.
 - viii. Devotion to studies and sports.
 - ix. Protection of public and private property.

d. Prohibited Acts

The students shall refrain from:

- i. Smoking and use of mobile phone in classrooms, laboratories, workshops, examination halls, Convocation Hall, and during study and academic functions.
- ii. Using or carrying alcoholic drinks or other intoxicating drugs within the University campus/ University hostels, during instruction, sports/cultural tours, survey camps, entering such places, attending any such tour camp while under the influence of such intoxicants, and any other University/College functions outside the Campus.
- iii. Organizing or taking part in any function within the University campus or hostel, or organizing any club or society of students or students' associations, unions and federations, except in accordance with the prescribed rules and regulations.
- iv. Collecting any money, receiving funds or pecuniary assistance for, or on behalf, of the University, except with the written permission of the Vice Chancellor.
- v. Staging, inciting or participating in any walk-out, strike, or other form of agitation against the University or its teachers or officers, inciting any one to violence, disruption of the peaceful atmosphere of the University in any way, making provocative speeches or gestures which may cause resentment, issuing of pamphlets or cartoons casting aspersions on teachers or staff or the University or University's bodies, or doing anything in anyway likely to promote rift and hatred among various groups or castes of student community, issuing statements in the press making false accusations or lowering the prestige of the University or writing and pasting posters on the walls.
- vi. Bringing, carrying and keeping of fire arms or any other weapon (of any nature/type) forbidden by law, within the University Campus, class rooms, hostels and offices.
- vii. Causing damage to University property or Government public property.
- viii. Use of loud speakers, mega-phones, "decks" etc.

e. Acts of Indiscipline

A student shall be deemed to have committed an act of indiscipline if he/she:

- i. Commits a breach of rules of conduct specified above, or
- ii. Disobeys the lawful order of a teacher or other person in authority in the University, or
- iii. Habitually neglects his work or habitually absents himself/herself from his/her class without valid reason, or
- iv. Wilfully damages University (or) public property or the property of fellow students or any teacher or any employee of the University, or
- v. Does not pay the fees, fines or other dues payable under the University Regulations and Rules, or
- vi. Uses indecent language, wears immodest clothes, makes indecent remarks or gestures, or behaves in a disorderly manner, or commits any criminal, immoral or dishonourable act (whether committed within the University Campus or in University-organized events) or any act which is detrimental to the interest of the University.

f. Procedure in Case of Breach of Discipline

The Registrar may refer an act of indiscipline to the University Discipline Committee for necessary action under the Rules/Regulations.

g. Rustication and Expulsion

I- Rustication

- a. Rustication, whenever imposed on a student, shall always mean the loss of one semester or one academic year as well as appearance in a University examination. The rusticated student may be readmitted in the same program of the University on the expiry of the rustication period.
- b. Such students shall become ineligible to take admission in any program of the University in future.

ii- Expulsion

- a. The period of expulsion shall be counted from the date of issue of such a notice by the University. Expulsion period may vary.
- b. Name of the expelled scholar shall immediately be removed from the University's rolls.
- c. A student expelled from a Department may be re-admitted into the same program after the expiry of the period of expulsion.
- d. Cases of expulsion shall be registered in the University and notified to all Departments and Universities by the Registrar.
- e. Such students shall become ineligible to take admission in any program of the University in future.

h. Appeal

- i. An appeal against the punishment awarded by the University Discipline Committee may be made to the Appellate Committee
- ii. No appeal by any student against the decision of the University Disciplinary Committee shall be entertained unless it is presented within thirty days from the date on which the decision is communicated to him/her.

Note: This code of conduct shall repeal all previous regulations relating to expulsion and rustication or any other instructions relating to the maintenance of discipline among the students.

I. General

- i. The authority which has the power to rusticate, can also withdraw the same order before the expiry of the period.
- ii. No student shall be rusticated/expelled from the University unless he/she has been served with the Show Cause Notice, and allow reasonable time for explanation and replying to the charges framed against him/her.
- iii. The Discipline Committee may impose any other penalty or penalties mentioned in the Regulations if, in its opinion, the rustication or expulsion is not called for in a case referred to it.

20. Clinical Practice

All courses in which clinical practice/ training is required, will be conducted in the following manner:

Activity Type	Duration	Location	Remarks
Theory + Practical	4 Weeks	University	First Half of Course to be covered before Mid Examinations
*Clinical Practice / Training	4 Weeks	Hospital	Relevant Clinical Practice to be completed before Mid Examinations
Mid Examinations	1 Week	University	To be conducted as per University rules.
Theory + Practical	4 Weeks	University	Second Half of Course to be covered before Final Examinations
*Clinical Practice / Training	4 Weeks	Hospital	Relevant Clinical Practice to be completed before Final Examinations
Final Examinations	1 Week	University	To be conducted as per University rules.

* It is recommended to complete Clinical Practice / Training as per prescribed manner in each semester. However, the same will be arranged as per confirmation by the designated hospitals in each semester.

21. Demotion

In case the student does not satisfy the promotion criteria mentioned in clause 11(a), will get demoted. The HoD shall constitute a committee comprising three senior faculty members which shall oversee such cases. The department may co-opt any university official, if necessary. The Committee shall ensure the following:

- Identify the batch/ prospectus under which the concerned student shall continue his/ her degree.
- The scheme of studies indicating all courses and credit hours to be studied by the student to complete degree requirements.
- The degree completion requirements after demotion shall be communicated to the student concerned as well as all relevant sections/ departments of the university after the approval of the Competent Authority.

22. Internship

i. Engineering Degree Programs

As per PEC's requirement, supervised and evaluated internship of 6-8 week duration in line with elective subjects/ specific stream in the 3rd to 4th year of the engineering program is mandatory. (Details are given in Section 18c of the Rules and Regulations.)

ii. Four-Year Degree Programs (Non-Engineering)

Students are encouraged to undergo internship program of at least 9-week duration at any time after the completion of fourth semester, generally during summer. (A graduate of the AD program who enrolls subsequently in a BS program shall receive credit, if earned during his/ her AD program, towards the fulfilment of internship requirement for the BS program.)

23. Practical Learning Lab (PLL)

i. Four-Year/ Five Year Degree Programs

Students are encouraged to enroll in at least one non-credit co-curricular program for at least 4 hours per week for at least 4 semesters in one or more of the following three areas: entrepreneurship, youth clubs, and sports. (A graduate

- of the AD program who enrolls subsequently in a BS program shall receive credit, if earned during his/ her AD program, towards the fulfilment of the PLL requirement for the BS program.)
- ii. Two-Year Associate Degree Programs
Students are encouraged to enroll in non-credit co-curricular program for 4 hours per week for 2 semesters in one or more of the following three areas: entrepreneurship, youth clubs, and sports.
 - iii. The PLL may be completed by taking part in the following societies of the university:

S. No	Name of Society	Convener / Focal Person
1	Drama, Literary and Debating Society	Engr. Muhammad Faisal Khan, Assistant Professor, Department of Technologies.
2	Health Society	Dr. Inayatullah, Lecturer, SIAHS.
3	Pakistan International Human Rights Organization (SUIT Chapter)	Dr. Syed M. Hassan Shah, Professor, Department of Pharmacy.
4	Sports Society	Dr. Irfanullah Head, Department of Sports Sciences & Phy. Education.
5	Science & Technology Society	Engr. Muhammad Fahim, Assistant Prof., Department of Electrical Engineering.
6	Society for ICT Affairs and Incubation Center	Mr. Maddad Khan, Assistant Professor, Department of Computer Science & IT.
7	Character Building Society	Dr. Muhammad Kamran Khan Assitant Professor, Department Computer Science & IT.
8	Green Club/ Environmental Protection Society	Prof. Dr. Habib-Ur-Rahman Associate Dean, Faculty of Management Sciences.
9	Community Services Society	Mr. Muhammad Arshad Haleem Assistant Professor, Department of English
10	Islamic Value and Ethics Society	Engr. Dr. Obaid-ur-Rehman Associate Professor, Department of Electrical Engg.
11	SUIT Volunteers & Blood Donors Society	Engr. Akif Shah Assistant Registrar (Student Affairs / Security).
12	Library and Book Sharing Society	Syed Arif Ali Shah Assistant Professor, Department of Library & Info. Sciences.

S. No	Name of Society	Convener / Focal Person
13	Society for Women in Science & Education	Ms. Asmarah Kanwal Assistant Professor, Department of Civil Engineering.
14	Girls Affair Society	Ms. Nasreen Ghani Professor, Institute of Nursing Sciences.
15	Photography & Film Making Society	Mr. Muhammad Bilal Lecturer, Department of Urdu.
16	Iqbalians Society	Dr. Muhammad Imtiaz Associate Professor, Department of Urdu.
17	Painting & Fine Arts Society	Ms. Faiza Hassan Head, Department of Art & Design.
18	Adventure Club Society	Dr. Amir Aziz Associate Professor, SIAHS
19	Cultural Society	Mr. Muhammad Irfan Assistant Professor, Department of Business Administration.

Special Provisions:

The University authorities reserve the right to make any change in these Academic Rules at any time without prior notice. In all cases where these Academic Rules are silent, the decisions of the Vice-Chancellor shall be final.

UNIVERSITY CODE OF CONDUCT & DISCIPLINE REGULATIONS

PENALTIES THAT MAY BE IMPOSED BY THE UNIVERSITY AUTHORITIES FOR VARIOUS OFFENCES COMMITTED

OFFENCE		PENALTY
1.	Using/carrying of alcoholic drinks or other intoxicating drugs within the University Campus or University Hostels or during Study Tours or Cultural Tours or Survey Camps, any such tours of any other University/College or such outside the campus under the influence of such intoxicants or misbehaving with others, especially females, during tours, etc.	Debar from classes for one week or fine not exceeding Rs. 20000/- OR Expulsion from the University.
2.	Organizing or taking part in any function within the University campus or hostel or organizing any club or society of students or students association, unions or federation, except in accordance with the prescribed rules and regulations.	Stern warning and / or Fine not exceeding Rs. 30000/-
3.	Collecting any money or receiving funds or pecuniary assistance for or on behalf of the University, except with the written permission of the Vice Chancellor.	All money supposed to have been collected shall be confiscated in favour of the University. AND / OR Fine not exceeding Rs. 30000/-
4.	Staging or inciting or forcing fellow students to a walkout from classes or examination halls or organizing, conducting 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. 30000/-
5.	Casting aspersions or using abusive and derogatory language in speeches, pamphlets or posters against the University authorities or members of teaching or administrative staff of the University or physically 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.	Expulsion from the University for one to six semesters/three years, depending on the nature and gravity of the crime. AND / OR Fine not exceeding Rs. 45000/-

6.	Conducting or inciting or participating in a violent attack on the offices of the University authorities, Chairmen, faculty members or any other officers of the University or Student.	Recovery of the amount equal to the value of the damage caused; and / or fine not exceeding Rs. 20000/-. AND / OR Rustication from the University.
7.	Damaging/destroying or trying to damage/destroy the property (movable or immovable) of the University or University employees of Government or any other Public Organization or stealing or taking away by force any item of University property.	Fine not exceeding Rs. 20000/- AND / OR Expulsion from the hostel. Expulsion from the University for a maximum period of two semesters / one year.
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. 20000/-; expulsion from the hostel. AND / OR Expulsion from the University for maximum period of two semester / 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 ethnic and religious groups or castes of students community or issuing statements in the press, making false accusations against the University or University Authorities or members of teaching staff.	Fine not less than Rs. 10000/- AND / OR Stern warning.
10.	Misbehaving with student and or not cooperating with faculty members, University proctors, Hostel Wardens, and other authorities.	Rustication / expulsion from University.

25. PENALTIES FOR ACTS OF UN-FAIR MEANS IN EXAMINATIONS (CONTINUE)

No.			Report		Status	Penalty	
1.	POSSESSION	A	One paper case	Not copied	a. Failed	As per I with fine	
					b. Passed	As per I without fine	
			Copied	a. Failed	As per I with fine		
				b. Pass	As per I with fine		
		B	Two papers case	Not copied in both papers	a. Failed in both	As per I in each with fine	
					b. Passed in one	As per I in each with fine	
					c. Passed in both	As per I in each with fine	
				Copied in one paper	a. Failed in both	As per II with fine	
					b. Passed in one	As per II with fine	
					c. Passed in both	As per I in each with fine	
				Copied in both papers	a. Failed in both	As per II with fine	
					b. Passed in one	As per II with fine	
					c. Passed in both	As per II with fine	
					C		
		2.	Page Removal	A	Removal of sheets from scripts or continuation sheet		As per I with fine
B	Using abusive words in answer books on the report of the Examiner						
	C		Smuggling of question paper outside the hall.				
3.	Cheating by Force	A	Refusing to handover cheating materials.		As per III with Fine		
		B	Disobeying Supervisory staff.				
		C	Cheating by force				
4.	Smuggling of Answer Book	A	Smuggling Answer Book or Answer Sheets in / out of the Examination Hall.		As per III with Fine		
		B	Misbehaving with the Supervisory staff/ Inspector.				
5.	Firearms / Impersonation	A	Possession or display of firearms		As per IV with Fine and the case may be referred to police.		
		B	Impersonation: 1) Real Candidate 2) Impersonator Any act other than above.				

PENALTIES FOR ACTS OF UN-FAIR MEANS IN EXAMINATIONS (CONTINUE)

No.	Report	Status	Penalty	
6.	Mobile Phone Case	A	Possession / Holding of mobile	As per I with Fine
		B	Using Mobile	As per I with Fine
7.	Staging / Smuggling of Question Paper	A	Staging a walkout or persuading others to do so.	As per II with Fine
		B	Writing wrong Roll No. to deceive inspector / supervisory staff.	
8.	Threatening	A	Assault on Supervisory staff / Inspector	As per V with a Fine and the case may be referred to police.
		B	Damaging/spoiling/parting other candidates answer book or any other important document/item related to examination.	
9.	Tempering	A	Unauthorized Centre change.	As per II with Fine
		B	Tempering.	As per III with Fine
10.	About Supervisory staff		If any member of the Supervisory staff or inspector is found guilty of an act inconsistent with the fair discharge of his duty shall be liable for disqualification from examination duties for a period of ten years and shall not be entitled for payment of the TA/DA and remuneration for the subject examination.	
11.	Absent in UFM Committee		If a candidate fails to appear before the UFM Committee, the committee will proceed according to the rules and impose relevant penalty as per rules.	
12.	if a candidate practices any other unfair means in connection with an examination not covered by the above Rules & Regulations, he/she may be awarded penalty warranted by the circumstances of the case, provided that the penalty awarded does not exceed the maximum as laid down in the Rules & Regulations mentioned.			

DESCRIPTION OF UFM COMMITTEE PENALTIES:

As per I: This paper is cancelled and Fine up to Rs.2000/-
As per II: This Examination is cancelled and Fine up to Rs.3000/-
As per III: This Examination is cancelled and also disqualified for the next examination and Fine up to Rs.5000/-
As per IV: This Examination is cancelled, fine up to Rs.20000/- and expulsion from the University. *
As per V: This Examination is cancelled, fine up to Rs.25000/- and expulsion from the University.

* If the impersonator is not on the rolls of the university/affiliated institution/DEC but holds a degree or diploma conferred or granted by the University, the Registrar shall register a case with the Local Police under section 419 PPC, and shall send intimation to this effect to the concerned Vice Chancellor for cancellation of his/her Degree/diploma/certificate.

IMPORTANT INSTRUCTIONS FOR STUDENTS DURING EXAMINATIONS

- Candidates without Roll Number Slip or whose particulars on the roll number slips do not match with those of the confidential list with the superintendent will not be allowed in the examination centre except with the prior permission of the Competent Authority will not be allowed to take examination.
- A candidate shall present himself/herself at the Centre of Examination at least 45 minutes before the time fixed for the first paper and 30 minutes before the time fixed for each subsequent paper(s). Candidates will not be allowed to enter in the Examination centre after 15 minutes of the start of the paper and no extra time will be given to late comers.
- No Candidate can leave Examination centre before half of the time allotted for the paper he/she is appearing in.
- Candidate who wants to leave the exam centre early will not be allowed to take question paper along with him/her.
- The candidates are required to take the allocated seats only. They may be required/ directed to change their seats during exam by the invigilation staff.
- Candidates are not allowed to bring Mobile Phones to the Examination Hall. In special cases if permitted, Mobile/Cellular phones must be switched off, not to be put on silent mode. Any mobile ringing, giving signals will be confiscated. Further Mobile phone cannot be used as a calculator.
- Scientific calculator is allowed in all relevant papers. However, computerized/ programmable calculator cannot be used in any paper under any circumstances unless specifically allowed.
- No candidate will be allowed to attend washroom during examination without the permission of the superintendent.
- Candidates should not write anything on the question paper except their name and roll numbers. All rough work should be done on the answer book.
- Exchange of any material (including calculator, pen, pencil, eraser, sharpener, ruler etc) is not allowed during examination.
- Only plain clip boards without any prints/writings will be allowed during examination.
- No answer book, question paper or paper of any kind is to be fetched out from Examination centre.
- Answer book is required to be returned back to the supervisory staff even if no question has been attempted.
- Body search of a candidate can be done at any stage during examination.
- Candidates shall write Roll number and other particulars before writing anything on the answer book or on the supplementary material provided by the supervisory staff.
- Candidate shall not write his/her name on any part of Answer Book. He/she shall not write his/her Roll number except in the space specifically provided for the purpose.
- Candidate shall not write on the question paper or on the blotting paper, or any part of his body, clothes or other material other than the answer book/ supplements. However, he/she shall write only Roll No. on the question paper. Use of electronic aid is also forbidden, except for authorized calculator in relevant papers.

- In case, there is a choice of language (English or Urdu), the candidate will have to attempt the entire paper in one language. Attempting the paper in both languages may result in cancellation of full paper of some part thereof.
- Candidates are advised to use ink or ball point pen (blue or black) for writing and lead pencil for drawing diagram.
- The questions solved with lead pencil will not be assessed.
- Candidates need to write on both Sides of pages of answer book using each line. Candidates should neither leave any page blank nor should they tear off pages from the answer book provided, but cross those if spoiled.
- Candidates can attempt the question in any order (sequence) but shall mention question number according to number mentioned in the question paper.
- A candidate misbehaving with the invigilation staff shall be liable for the cancellation of paper/ examination. Candidates are forbidden to bring any book, notes or paper or any material which can be helpful in the examination.
- Candidates can ask for extra sheets (continuation sheets) only after the answer book/ previously issued continuation sheet is fully utilized. Extra sheets/continuation sheets will not be issued during the last 15 minutes.
- Candidates need to mention the serial number of the continuation sheet(s) on the front page of the answer book.
- In case a continuation sheet is not utilized, it has to be returned to the invigilation staff.
- A candidate walking out or instigating others to walk out of the examination centre will be liable for the cancellation of paper and other penalties.
- A candidate in possession of fire-arms or any other weapon of offence in or around the Examination Centre shall entail the penalty of cancellation of Examination and any other action under the rules of the University.
- Smoking or use of any kind of drugs during examination is strictly prohibited. A candidate found guilty will be penalized under the rules of the University.
- A candidate found involved in cheating/impersonation shall be liable for the cancellation of paper/ whole examination or expulsion along with other penalty under the rules of the University.
- Each answer must be commenced with a number of question or part of sub-section thereof as shown in the question paper. A question should be attempted as a whole. The candidate may lose marks if parts of a question are attempted haphazardly on various portions of the answer book.
- Candidates shall clearly write "THE END", at the end of their paper and cross all pages left blank in the answer book.
- Candidates shall not leave their seats or attempt to communicate with other candidate in the centre on any account. If a candidate wants something, he/she may draw the Invigilator's attention by standing up.
- During the last fifteen (15) minutes before the close of the examination and at the announcement or signal, the collection of answer books will begin. Candidates shall not leave their seats until the answer books have been collected by the Invigilator.

LEGAL STATUS

The University is recognized by the Higher Education Commission of Pakistan and established under Ordinance No. XXIV/2001 of the Government of Khyber Pakhtunkhwa. The Governor of Khyber Pakhtunkhwa is the Patron of the University. The Ordinance of the University provides for a Board of Governors which exercises general supervision over the affairs of management of the University. The Board of Governors of the University is the highest executive authority of the University, which comprises personalities of high standing in the academic and professions both from the public and private sectors of higher education. The Board has all the powers necessary to formulate the statutes, regulations and policies aimed at high academic standards in respect of all academic programs run by the University from Undergraduate to Postgraduate Level. The Board also enjoys powers to frame laws and policies aimed at recruiting persons of eminence in academics for senior slots in the academic hierarchy who are able to give their best to the students.

The Rules & Regulations mentioned in the Prospectus are approved by the statutory bodies of the University and are fully binding on the students taking admission in any degree/diploma program of the University under this legal document.

The University reserves the right to amend any rule/regulation at any stage.

NOTICE

This Prospectus is published in August 2024 and shall remain in force till it is revised.

Every effort has been made to ensure the accuracy of the information given in this publication, but the University reserves the right to make changes in regulations, courses, fees, etc. at any time before or after a candidate's admission without prior notice.

Documents to be attached with Admission Form

- ☐ **Matric DMC & Provisional Certificate / Secondary School Certificate**
- ☐ **Intermediate DMC & Provisional Certificate / Higher Secondary School Certificate**
- ☐ **Equivalency Certificate from IBCC (for A Level / other than BISE students)**
- ☐ **Bachelors DMC & Provisional Certificate / Bachelor Degree**
- ☐ **Masters DMC & Provisional Certificate / Master Degree**
- ☐ **Copy of Computerized National Identity Card - Mandatory***
- ☐ **Domicile**
- ☐ **Copy of Computerized National Identity Card (Father/Guardian)**
- ☐ **Letter from the Concerned Embassy (for Foreign Student)**
- ☐ **Passport Copy other than Pakistani Citizen**
- ☐ **Four Recent Passport Size Photographs Light Blue Background**
- ☐ **Experience Certificate (M.Ed)**

* If a candidate doesn't possess his/her CNIC he/she should attach copy of Form-B

* Two copies of all documents must be attached with admission form.

* All documents must be attested by a gazetted officer



Main Campus

Landi Akhun Ahmad, Ring Road,
(Kohat Road-Hayatabad Link),
Peshawar-Pakistan



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