



PROSPECTUS 2020

MIRPUR UNIVERSITY OF SCIENCE AND
TECHNOLOGY (MUST), MIRPUR AJK

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





MUST

VISION & MISSION

VISION

To be a superior teaching and research Institution, having transformative impact on society and acting as a knowledge corridor between Azad Jammu & Kashmir, Pakistan and rest of the World.

MISSION

MUST is committed to all-encompassing growth of its students, besides enabling them to tap the world of knowledge and assume leadership role in the future through a process of continual innovation in education, research, creativity, technological advancement and entrepreneurship.



MUST CORE VALUES

Leadership Development

Academic Excellence and
Advancement on Merit

01

Pluralism and Diversity

Creativity and Innovation

02

Academic Freedom
and Freedom of Thought

Service with Integrity

Ethically Acceptable
Standards of Conduct

03

Environmental Sustainability

Inclusiveness and Openness

Non-Discrimination

04

Learner-centric and
Personalized Learning

Transform lives

Collegial Environment
and Dignity of Labour

05

Fairness and Equality

Outreach and Community-
building



MESSAGE FROM THE CHANCELLOR

The Mirpur University of Science and Technology (MUST) is imparting state of the art education in Azad Jammu and Kashmir. Though, in MUST, the bulk of the students are from Azad Kashmir, it is a matter of great satisfaction that many from different parts of Pakistan are also part of its faculty and student community. Over the years, MUST have laid down foundations for developing competencies in cutting edge scientific and disciplines. But, in addition to focusing on its core specializations, it is also developing fast into a centre for quality education in social sciences and humanities. MUST is rapidly investing in research and innovation and its products are being appreciated and recognized in the academic community. This is possible because of its emphasis on faculty development programmes and creation of an enabling environment for productive learning that would prepare students for professions in the ever-changing markets. MUST is also emerging as a pioneer in new technologies such as Artificial Intelligence, Internet of Things, Robotics and Cloud Computing.

This gives it a head-start to meet the challenges of the future. For all these achievements, I would congratulate the Vice-chancellor as well as members of his efficient team for their meticulous planning and diligence. In the wake of the COVID-19 outbreak, the biggest challenge for the academia has been to shift from traditional campus-based teaching to the digital mode of education. I commend the University leadership for their tremendous efforts in meeting this challenge with success. I also felicitate MUST for being ranked first in HEC's list of top Universities of Azad Jammu & Kashmir for online readiness. This is an impressive achievement despite resource constraints. I feel immense pleasure in acknowledging that MUST has expanded its digital infrastructure in a short span of time. Its next outreach initiative would up-grade the existing online teaching platforms for students living in remote areas. I appreciate the readiness of the faculty, administration and staff to enable students to achieve academic excellence in diverse fields. I wish you all more success!

Sardar Mohammad Masood Khan

President of Azad Jammu and Kashmir/
Chancellor MUST



MESSAGE FROM THE VICE CHANCELLOR

I am proud to be the Vice Chancellor of Mirpur University of Science & Technology (MUST), Mirpur. This is a time of unprecedented change over in the higher education worldwide. As well as expanding itself with a view to providing higher education opportunities to masses at doorsteps, quality of education remains MUST's a priority goal. In this regard, we have recently established Faculty of Health & Medical Sciences in addition to startup of other nine new departments in various Faculties. We have also extensively revised our curricula with a view to incorporating latest development and trends in the respective fields of study. MUST makes sure that an ideal environment conducive to learning exists at all campuses. International collaboration with top ranking universities is what we actively pursue in order to provide international exposure to our students and faculty and promote joint research. We take pride in our highly qualified faculty who made their appearance at international forums by publishing quality research. Our students remain our top most priority. MUST is willing to go any far to protect their future and are working hard to maintain quality education and provide facilities to our students in the face of the Covid 19 pandemic. I am happy to share that as a fruit of a joint effort we have among the top universities of the country, and first in the State, in HEC's ranking of

universities for their online readiness. I take this opportunity to congratulate all faculty and staff without whose effort this would not have been possible.

MUST stand ready to harness its digital resources if this pandemic situation exists. We have put all the arrangements in place in this regard. I am thankful to the Chancellor of MUST, Sardar Masood Khan for his continuous support in our effort to uplift the standards of education at MUST. I am positive we would achieve further heights under his dynamic leadership and vision. I am also grateful to Higher Education Commission (HEC) for their providing guidelines and support in building university's wide-ranging rollout of Microsoft Teams for online teaching. This, for sure, allowed us to outreach students in remote areas and continue teaching unhindered. I believe that communities play a key role in building higher education institutions. I would take this opportunity to urge upon the members of the community and philanthropists to come forward and strengthen our hands, in whatever capacity they can, in implementing our initiatives relating to different foundations, endowments, social campaigns, and, more importantly, university infrastructure development. Our Vision 2025 envisages widening of academic activities and infrastructure development. I am pleased to share that the PC-I for Pallandri has already been approved by DDWP (HEC), while the PC-I for Bhimber Campus has also been submitted. As the Vice-Chancellor of MUST, I am determined to create an environment that provides favorable environment to each and every student and staff to meet their professional needs and aspirations. I assure you that your experience at MUST will be an asset for the rest of your life.

I welcome you all to Mirpur University of Science and Technology and look forward to seeing you soon on the campus.

(Prof. Dr. Maqsood Ahmed)
Vice Chancellor



About The State of Azad Jammu & Kashmir

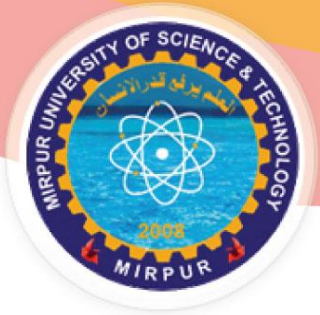
Azad Jammu and Kashmir is the political entity Within the Pakistani-controlled part of the former Princely state of Jammu and Kashmir. It borders Indian administered Jammu and Kashmir to the east (separated from it by the Line of Control), Khyber Pakhtun khwa province to the west, Gilgit-Baltistan to the north, and the Punjab province to the south. With its capital at Muzaffarabad, Azad Jammu and Kashmir covers an area of 13,297 square kilometers (5134 square miles) and has an estimated population of about four million. Azad Jammu and Kashmir (AJK) is a self-governing state under Pakistani control, but under Pakistan's constitution the state is not actually part of Pakistan. Azad Kashmir has its own elected president, prime minister, legislature, high court, and official flag. The state is administratively divided into three divisions which, in turn, are divided into ten districts namely, Mirpur, Kotli, Bhimber, Muzaffarabad, Hattian, Neelum, Poonch, Sudhnuti, Haveli, and Bagh. These ten districts are further subdivided into 29 subdivisions. The people's participation in the political and socio economic development is ensured through the elected



Banjonsa Lake Rawlakot

institutions of the Azad Jammu & Kashmir Legislative Assembly comprising of 41 directly and 8 indirectly elected members and the Azad Jammu & Kashmir Council with six elected members. Azad Kashmir's financial matters, i.e., budget and tax affairs, are dealt with by the Azad Jammu and Kashmir Council rather than by Pakistan's Central Board of Revenue.

The Azad Jammu and Kashmir Council is a supreme body consisting of 11 members, six from the government of Azad



Jammu and Kashmir and five from the government of Pakistan. Its chairman/chief executive is the president of Pakistan. Other members of the council are the President and the Prime minister of Azad Kashmir and a few other AJK ministers.

The literacy rate in Azad Kashmir is more than 64%, which is significantly higher than the national average of Pakistan. At

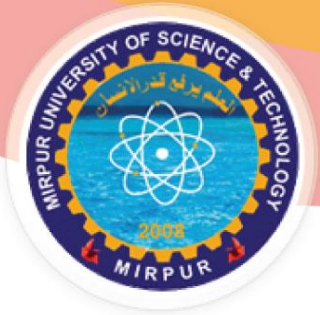
present the gross enrolment rate at primary level is 95% for boys and 88% for girls (between the ages of 5-9). Urdu is the official language of Azad Jammu and Kashmir. However, due to the area's diverse cultural blend, many languages are spoken by different populations, including Pahari, Potwari.



Neelum Valley



Mangla Fort



The northern part of Azad Jammu and Kashmir encompasses the lower part of the Himalayas, including Hari Parbat peak in the Neelum Valley is the highest peak in the state. Fertile, green, mountainous valleys are characteristic of Azad Kashmir's geography, making it one of the most beautiful regions on the subcontinent. The region receives rainfall in both winter and summer. Muzaffarabad and Patton are among the wettest areas of the state. Throughout most of the region, the average rainfall exceeds 1400 mm, with the highest average rainfall occurring near Muzaffarabad (around 1800 mm). During the summer season, monsoon floods of the Jhelum and Neelum rivers are common, due to high rainfall and melting snow.

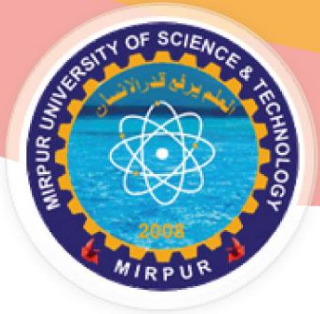
Azad Jammu & Kashmir is very rich in natural beauty. Its snow-covered peaks, dense forests, winding rivers, turbulent foaming streams, wheat-scented valleys, velvet green plateaus and climate varying from arctic to tropical, all join together to make it an excellent tourist attraction. Splendid vallies of Neelum, Jhelum, Leepa, Sudhan Gali, Banjosa, Rawalakot, Paniola, Datot, Tolipir and many more have magical attraction for visitors. Azad

Jammu & Kashmir is a fascinating land of diverse people, languages & cultures.

Agriculture is a major part of Azad Kashmir's economy. Low-lying areas that have high populations grow crops like barley, mangoes, millet, corn (maize), and wheat, and also raise cattle. In the elevated areas that are less populated and more spread-out, forestry, corn, and livestock are the main sources of income.

There are mineral and marble resources in Azad Kashmir close to Mirpur and Muzaffarabad. There are also graphite deposits at Mohriwali. There are also reservoirs of low-grade coal, chalk, bauxite, and zircon. Commensurate with its natural beauty, Kashmir is famous for its rich and varied cultural heritage. Handicrafts are famous all over the world.

In addition to agriculture, textiles, arts and crafts, remittances by British Pakistanis have played a major role in the economy of Azad Kashmir.



About the University

Mirpur University of Science & Technology (MUST) established in 2008 was formerly a constituent college of University of Azad Jammu and Kashmir as University College of Engineering & Technology (UCET Mirpur). MUST is a state-run Public-Sector University and the President of Azad Jammu & Kashmir is the Chancellor of the University. The Vice Chancellor is the executive head and manages the university functions.

The university is situated in the culturally rich city Mirpur that is also the economic hub of the state of Azad Jammu & Kashmir. The university is playing a leading role to impart quality education in the country. Mirpur University of Science & Technology (MUST) is presently located in three campuses, the main one is situated on Allama Iqbal Road opposite to the District Courts.



There are seven departments namely: Electrical Engineering, Computer System Engineering, Electrical Technology, Power, Software, Civil and Mechanical under faculty of Engineering, five Departments under faculty of Sciences namely: Biotechnology,



Chemistry, CS&IT, Mathematics, Physics, Statistics and four departments of faculty of Arts namely: Islamic Studies, Law, Education, and Business Administration are working. Directorate of Student Affairs, Board of Advanced Studies and Research, ORIC, Sports and NTC offices are also in city campus. This City Campus is the main hub of education due to which its buildings are designed in this way that it comprises of the Central Library, auditorium, hostels, mosque, student cafeterias, some outdoor sports facilities, big lecture halls, conference halls, spacious labs, parking zone are some of the facilities available in the city campus.

The second campus is located on Allama Iqbal Road adjacent to Girls Degree College. In this campus there is an administrative block, department of Home Economics and Zoology. The girl's hostel is also located in this campus.

The University has also started sub campuses at Bhimber and Pallandri. Bhimber campus is offering programs in English, Economics and Botany.



Bhimber Campus



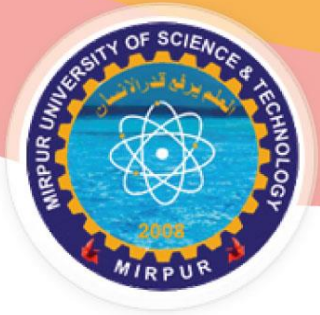
Palandri campus is offering degree programs in Hotel & Tourism, Forestry, Education, International relations, History and Physics.



Palandri Campus

MUST always looks forward to welcoming successful performers being only one institution in territory of Azad

Kashmir for teaching and training Graduates in Engineering, Sciences and in Social Sciences & Humanities. The University as an institution of higher learning is devoted to promote the general advancement of knowledge and understanding and the development of every student to his/her highest potential so that each may make the maximum contribution to the improvement of the standards, mores, and scientific and cultural climate of all people. In this standpoint MUST in collaboration with HEC has offered 92 Need based scholarships worth 10.609 million for students securing good positions in class but financial hardships are the main encumbrance in their studies. This scheme will be continued in the forth coming session and the number of scholarships will be 100 in this time so that needy but talented student could avail maximum opportunity.



In pursuit of excellence in education, and to enhance the skills of their graduates MUST dedicates itself to adopting a curriculum that embodies and promotes academic specialization and professional education while maintaining a continuous process of institutional self-assessment and adaptation to meet the rapidly changing needs of society.

MUST provide its own internet facility along with its own internal Network so that all students can access it from their own departments and for this purpose NTC was established. The University intends holding online Courses in collaboration with other Universities both local and foreign. These courses could be on subjects in which required expertise is not available. Interactive desktop video conferencing for discussions on research topics can also be one of the possible future developments with a view to enhance facilities for higher

education and research in the state of Azad Jammu & Kashmir and the adjoining areas, in the field of Science & Technology. Commendable services rendered by these institutions are praiseworthy. The students having been bestowed upon degrees in their respective disciplines, mentioned above, are ardently serving the nation, and the humanity at large, at home and abroad. The new status heralds a new sign of revolutionary uplift of education.

Evidently, there are certain requirements, rather pressing ones; first and foremost is that of land. Out of total requirement of 5000 Kanals, 4800 Kanals have already been awarded. University shall be shifted to its new location; a picturesque spot Sainse, 15 kilometres away from the city on the main Mirpur-Bhimber road. It may fulfil the requirements of future expansion at least for five decades. The calm and



peaceful environment is conducive to academic and research activities.

The new university with the name of MUST is really a beginning of new era in terms of imparting quality education. Ours is a propitious transformation from smaller to bigger, from lower to higher and from better to the best in the real sense of the term. Our qualified staff is devoted to the very cause of sublime and perfection. The veteran staff, embodiment of professionalism, is involved in class work along with research and other scholarly activities. Living in this age of marvellous scientific and technological achievements, advancements in these fields are intrinsically of paramount importance. Mirpur University of Science & Technology (MUST), Mirpur AJK differs in its character from AJ&K University Muzaffarabad by its high powered body “Senate”; a body with full integrity of formulating

statutes, rules and regulations, purchasing, maintaining and disposing of moveable and immovable property, creation and abolition of posts and maintenance of academic and administrative disciplines. Such a body is non-existent in AJ&K University.

Our new born university, MUST is endeavouring its best to take up the challenges of the day and come up to the national expectations and aspirations. We are equipping our laboratories with modern apparatus so that we may be able to quench the thirst of our students for knowledge. The MUST is determined to produce such graduates as to prove the grist to the mill of the nation. Enhancement of standard is our pivotal goal and we are doing our best to make the MUST worthy by all standards. It will touch the ecstasy of prominence in a short extent of time.



Organizational Setup

- Chancellor
- Vice Chancellor
- Dean Faculty of Social Sciences & Humanities
- Dean Faculty of Engineering & Technology
- Dean Faculty of Natural & Applied Sciences
- Convener Faculty of Health & Medical Sciences
- Registrar
- Controller of Examinations
- Treasurer
- Director of AS & RB
- Director QEC
- Director ORIC
- Director Planning & Development
- Director NTC
- Director Student's Affairs
- Director Sports
- Provost Hostels

Sardar Mohammad Masood Khan
Prof. Dr. Maqsood Ahmed
Prof. Dr. Maqsood Ahmed
Prof. Dr. Anwar Khitab
Prof. Dr. Shaukat Mahmood
Prof. Dr. Maqsood Ahmed
Engr. Muhammad Waris
Dr. Arshad Farooq
Dr. Aamir Saghir
Dr. Javeed Akhtar
Dr. Imtiaz Ahmed
Mr. Asif Javed
Muhammad Iqbal Ch
Imtiaz Ahmad Bhat
Dr. Asghar Ali
Engr. Muhammad Shabir Mirza
Dr. Ilyas Minhas





Highlights of convocation 2020





MUST activities at a glance

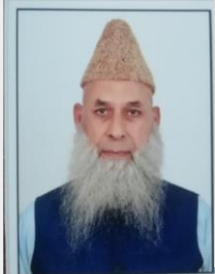




PALANDRI

CAMPUS MUST





Campus Coordinator:

Dr. Shafiqur Rehman Khan

Tel: +92-5825-960031

E-mail: shafiq.fr@must.edu.pk

Message from Coordinator:

The MUST Pallandri Campus was established on May 10, 2018, and was formally inaugurated by the President of Azad Jammu and Kashmir / Chancellor, MUST on July 30, 2018.

This is a unique matter of pride and honor that two new programs of BS-Forestry (four years) and BS-Tourism and Hospitality Management (four years) are started in MUST Pallandri Campus for the first time in the history of Azad Kashmir to provide technical education and equip the students to play their

lead roles in developing and promoting highly important sectors of forestry and tourism in AJ&K.

Later on, three regular lecturers were also appointed by MUST, Mirpur, each in departments of Forestry, BS-Elementary Education (four years) and Tourism and Hospitality. We have also hired visiting lecturers to assist us in teaching allied courses. Alhamdulillah, The Campus is running successfully with collective and team efforts of the faculty and MUST Mirpur administration. I am quite confident and sure that intake of students will increase in coming sessions. Currently, we have students from almost all the districts of AJ&K and are hoping students to come from Pakistan in new year as well, In Shah Allah.

Currently, the campus is established in premises of Hostel of Khan Muhammad Khan Post-graduate Boys College, Pallandri. However, a chunk of land of 523 kanal has been awarded by the Government of AJ&K about five kilo meter away from the current location of the campus at Islampura on Baral road. The demarcation of the land has been completed with the active cooperation of District Administration and MUST, Mirpur. PC-I has been approved by the Planning and Development of MUST, Mirpur.

I welcome all the students to be part of our campus and wish them a very pleasant, peaceful and productive stay here in the campus and have expectations from them to promote brotherhood, mutual understanding and good relationships among the districts they come from, and the most important that focus on their studies and learning to enable them to serve for the nation with dedication, hardworking and commitment. May Allah bless you with the brightest success in your future.

Programs Offered:

1. Forestry
2. Education
3. Tourism & Hospitality
4. Physics
5. History
6. International Relations



Faculty Members

Dr. Shafiqur Rehman

Designation Lecturer
Qualification M.Phil ,PhD continue
Area of interest Genetics
E-mail qumqum.botany@must.edu.pk

Mr. Usama Shafique Dar

Designation Lecturer
Qualification MSc Forestry
Area of interest Forestry & Planning
E-mail usama.fr@must.edu.pk

Mr. Saad Hanif Dar

Designation Junior Lecturer (Visiting)
Qualification M.Phil. in progress
Area of interest Linguistics
E-mail Saaddar1985@gmail.com

Ms Qumqum Noshad

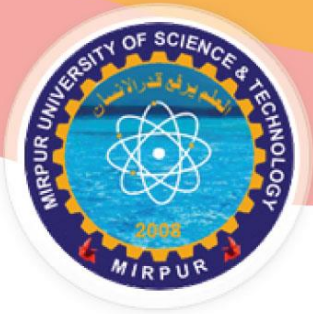
Designation Lecturer
Qualification M.Phil ,PhD continue
Area of interest Genetics
E-mail qumqum.botany@must.edu.pk

Ms. Laila Hameed

Designation Lecturer(Visiting)
Qualification MS GIS & Remote Sensing
Area of interest GIS & Remote Sensing
E-mail virgozonn@gmail.com

Mr. Shahid Hussain

Designation Lecturer (Visiting)
Qualification MS Computer Science
Area of interest Computer Science
E-mail Sardar_shahid96@yahoo.com



Faculty Members

Ms. Saba Gul

Designation

Qualification

Area of interest

E-mail

Junior Lecturer (Visiting)

MS Statistics in progress

Statistics

03490511596@gmail.com

Ms. Rashida Rasheed

Designation

Qualification

Area of interest

E-mail

Lecturer (Visiting)

MS Dawa & Islamic Culture

Dawa & Islamic Culture

Rashdarashid05@gmail.com

Mr. Zubair Iftikhar

Designation

Qualification

Area of interest

Lecturer (Visiting)

MSC mathematics

Mathematics



Faculty members of Forestry Department

DEPARTMENT OF

FORESTRY

Programs Offered

BS Forestry





BS Forestry

The territory of Azad Jammu and Kashmir extends over an area of 3.286 million acre; whereas approximately 43% of the total land mass is under the legal control of Forest Department. The territory is blessed with a variety of climatic, edaphic and topographic factors that make the conditions most conducive and suitable for growth of forests in the area. Hence, we have rich variety of natural forests extending from xerophytic conditions in the South and Alpine pastures in the North. Famous tree species of conifer tree like *Pinus roxburghii* (Chir pine), *Pinus wallichiana* (Kail), *Cedrus deodara* (Deodar), *Picea smithiana* (Spruce), and *Abies pindrow* (Fir) are found in the territory of AJ&K. These forests are a major source of meeting requirements of timber, firewood, fodder and sustenance of people of AJ&K. These forests provide a variety of valuable goods and services; serve as “water towers”, mitigate global

warming by the process of carbon sequestration, harbor biological and genetic diversity and gene pool, provide refuge and food to wildlife, protect fragile watersheds of the area, and provide healthy and pleasant environment, add to the scenic beauty and help promoting tourism in the area. Hence, meeting challenges of conservation and promotion of these forests, the state needs qualified and trained manpower. There is only Institute, namely “Pakistan Forest Institute” based at Peshawar where students are trained and are awarded degrees at B.Sc. and M.Sc. Forestry level, who render their services in their respective provincial forest departments after successful completion of the degree programs. Therefore, establishment of department of forestry in AJ&K under MUST is highly justified and is the need of the hour. This will fulfill the growing needs of trained manpower, provide opportunities to the students to equip themselves with forestry and tourism knowledge and



training and be able to render their services in protection and conservation of the forests of AJ&K.

The Department has a mandate to carry out both teaching and research to address the problems of Conservation of Natural Resources and Protection of Environment, with special emphasis on problems such as deforestation and proper management of natural Forest resources of the country. The Department is currently offering the degrees of B.S Forestry (four years).

Program Mission

To improve the quality of life through providing support of effective research and trained manpower for scientific management of forests, rangelands, wildlife, watersheds, environment protection, and biodiversity conservation in Pakistan.

Program Educational Objectives (PEOs)

1. To impart higher education at graduation level in the field of Forestry & Range Management, Watershed and Wildlife Management.
2. To supervise post graduate students in planning, conduct, and evaluation of thesis research as part of their degree programs.
3. To develop closer linkages with line departments and research organizations for mutual collaboration in research/development activities of natural resource conservation and improvement
4. To promote awareness among students, researchers, policy makers and community in general about natural resource conservation and management through publishing articles and organizing seminars/workshops on the subjects related to natural resource management.



Program Learning Objectives (PLOs)

1. Promotion of farm forestry in the area to reduce pressure on native forest through farm forestry projects and research
2. To understand the significance of Non Wood Forest Produce (NWFP) to local communities through various marketing activities.
3. Our graduates have sound knowledge of Forestry, they easily get jobs in Government Organizations as well as in private and international NGOs.
4. The graduates can also appear in competitive examinations e.g. Azad Kashmir Public Service Commission and Federal Public Service Commissions for administrative and academic positions.





Admission Criterion:

Students with FSc. pre-engineering/ FSc premedical with at least 45% marks are eligible to apply.

Degree Requirements:

Student with 2.5 CGPA is eligible for degree.

Scholarships Offered:

- | | |
|---------------------------|-----------------------------|
| 1. Need based scholarship | 4. Scottish Scholarship |
| 2. HBL foundation | 5. MUST scholarship |
| 3. Scholarship | 6. Merit based scholarship. |

Duration:

It is a 4 years degree program with 8 semesters and consisting of 123 credit hours inclusive of 37 credit hours for lab/field tours; 75 (47-28) credit hours for core courses; 09 credit hours for Elective courses; 04 credit hours for internship report; and a 04 credit hours for project.



Scheme of Study (BS FORESTRY)

Programme Name:	BS-Forestry	
Duration:	04 years:	
Number of semesters:	08	
Weeks per semester:	16 - 18 (16 for teaching and 2 for exams)	
Total credit hours:	130-140	
Credit hours per semester:	15-18	
Forestry Courses:	77%	
Non-Forestry	23%	
Course Code	Title	Credit Hours
FIRST SEMESTER		
FRST-1101	Introduction to Forestry	3(2-1)
BIOL-1102	Biology	2 (1-1)
MAT-1115	Mathematics	2 (2-0)
IT-1101	Introduction to Information and Communication Technologies	3 (2-1)
ENG-1107	English-I (Functional English)	3 (3-0)
PS-1117	Pakistan Studies	2 (2-0)
ISL-1112	Islamic Studies /Ethics**	2 (2-0)
FRST-1102	Orientation Tour	1(0-1)
	Total	18 (14-4)



SECOND SEMESTER		
STA-1220	Elementary Statistics	3 (3-0)
ENG-1207	English-II (Communication Skills)	3 (3-0)
FRST-1201	Introduction to Environment	3 (2-1)
FRST-1202	Geology and Soil Science	3 (2-1)
ARA-1201	Arabic Studies	2 (2-0)
ECO-1206	Principles of Economics	3 (3-0)
	Total	17 (15-2)
THIRD SEMESTER		
FRST-2301	Forest Pathology	3(2-1)
FRST-2302	Public Policy and Administration & Orientation	2 (2-0)
FRST-2303	Forest Genetics	3(2-1)
FRST-2304	Forest Ecology	3 (3-0)
FRST-2305	Forest Entomology	3 (2-1)
FRST-2306	Forest Taxonomy	3 (2-1)
FRST-2307	Forest Accounts and Procedure	2(2-0)
	Total	19 (15-4)



FOURTH SEMESTER		
FRST-2401	Forest Engineering – I	3 (2-1)
FRST-2402	Biodiversity and Climate Change	3 (2-1)
FRST-2403	Participatory Forestry	3 (2-1)
FRST-2404	Introduction to GIS Remote Sensing	3 (2-1)
FRST-2405	Integrated Land Use Management Systems	3 (2-1)
FRST-2406	Forestry Extension	2 (2-0)
FRST-2407	Study Tour of Forest Types I: Pak, AJK & GB	2 (0-2)
	Total	19 (12-7)
FIFTH SEMESTER		
FRST-3501	Nursery Technology and Reforestating Forests	3 (2-1)
FRST-3502	Forest Policy and Law	3 (3-0)
FRST-3503	Wood Science and Technology	3 (2-1)
FRST-3504	Forest Survey and Leveling	3 (2-1)
FRST-3505	Silviculture-I	2 (2-0)
FRST-3506	Forest Engineering II	2 (1-1)
FRST-3507	Study Tour of Forest Types II: Pak, AJK & GB	2(0-2)
	Total	18(12-6)



SIXTH SEMESTER		
FRST-3601	Forest Management and Conservation	3 (3-0)
FRST-3602	Watershed Management	3 (2-1)
FRST-3603	Range Management	3 (2-1)
FRST-3604	Wildlife and Fisheries Management	3 (2-1)
FRST-3605	Forest Biometrics	3 (2-1)
FRST-3606	Non-Wood Forest Products	2 (2-0)
FRST-3607	Study Tour (Forest Management)	1 (0-1)
	Total	18 (13-5)
SEVENTH SEMESTER		
FRST-4701	Ecotourism and Park Management	2(2-0)
FRST-4702	Forest Resource Economics	2(2-0)
FRST-4703	Silviculture-II	3 (2-1)
FRST-47--	03 Elective Courses	09
	Total	16 (15-1)
EIGHTH SEMESTER		
FRST-4801	Forest Management Plan – I	3(3-0)
FRST-4802	Forest Management Plan – II	4(0-4)
FRST-4803	Research Methods and Scientific Writing	4(4-0)
FRST-4804	Research Project / Internship / Special Paper	4(0-4)
FRST-4805	General Viva	S / NS
	Total	15 (7-8)
	Grand Total	140 (103-37)



LIST OF SPECIALIZATION COURSES

One of the following specializations may be opted for, subject to approval of concerned forestry institution/university:

Code	Course	Credit Hours
1) Forest Management and Conservation		9 (6-3)
FRST-4704	i. Forest Inventory & Analysis	3 (2-1)
FRST-4705	ii. Conservation Forest Management	3 (2-1)
FRST-4706	iii. Production Forest Management	3 (2-1)
2) Watershed Management		9 (6-3)
FRST-4707	i. Soil Conservation Techniques	3 (2-1)
FRST-4708	ii. Forest Meteorology	3 (2-1)
FRST-4709	iii. Forest and Range Hydrology	3 (2-1)
3) Range Management		9 (7-2)
FRST-4710	i. Range Vegetation Analysis	3 (2-1)
FRST-4711	ii. Livestock Nutrition and Grazing Management	3 (2-1)
FRST-4712	iii. Drought Management in Rangelands	3 (3-0)
4) GIS and Remote Sensing Techniques		9 (3-6)
FRST-4713	i. Digital Cartography	3 (1-2)
FRST-4714	ii. Land Use Planning	3 (1-2)
FRST-4715	iii. Forest / Range Assessment and Monitoring	3 (1-2)
5) Participatory Forest Management		9 (7-2)
FRST-4716	i. Community Based Forestry	3 (3-0)
FRST-4717	ii. Participatory Forest Management Planning	3 (2-1)
FRST-4718	iii. Participatory Forest Assessment	3 (2-1)



6) Sericulture		9 (5-4)
FRST-4719	i. Silkworm Rearing	3 (2-1)
FRST-4720	ii. Silk Seed and Cocoon Technology	4 (2-2)
FRST-4721	iii. Moriculture	2 (1-1)
7) Wood Science and Technology		9 (5-4)
FRST-4722	i. Wood Harvesting Techniques	2 (1-1)
FRST-4723	ii. Wood Structure and Identification	2 (1-1)
FRST-4724	iii. Wood Testing and Processing	2 (1-1)
FRST-4725	iv. Wood Based Products	3 (2-1)
8) Wildlife and Fisheries Management		9 (9-0)
FRST-4726	i. Wildlife Biology and Ecology	3 (3-0)
FRST-4727	ii. Wildlife Management and Research	3 (3-0)
FRST-4728	iii. Wildlife Policies, Laws and Administration	3 (3-0)
9) Agro Forestry		9 (7-2)
FRST-4729	i. Agro Forestry Systems	3 (3-0)
FRST-4733	ii. Farm Forestry Management	3 (2-1)
FRST-4731	iii. Marketing of Agro Forestry Products	3 (2-1)
10) Forest Engineering and Logging		9 (7-2)
FRST-4732	i) Forest Machinery	3 (3-0)
FRST-4733	ii) Forest Logging	3 (2-1)
FRST-4734	iii) Applied Mechanics of Forestry	3 (2-1)



11) Environmental Forestry			9 (7-2)
FRST-4735	i.	Environment and Forestry	2 (2-0)
FRST-4736	ii.	Environmental Pollution and Mitigation	3 (3-0)
FRST-4737	iii.	Environmental Impact Assessment	2 (1-1)
FRST-4738	iv.	Environmental Policies and Laws	2 (1-1)
12) Forestry and Climate Change			9 (7-2)
FRST-4739	i.	Forest, Carbon and Climate Change	3 (2-1)
FRST-4740	ii.	Trends in Forestry and Climate Change	3 (3-0)
FRST-4741	iii.	Tree Eco-Physiology	3 (2-1)
13) Non Wood Forest Products			9 (7-2)
FRST-4742	i)	Production Technology of Medicinal Plants / Pharmacognocny	3 (3-0)
FRST-4743	ii)	Sericulture and Apiculture Techniques	3 (2-1)
FRST-4744	iii)	Minor Forest Products	2 (1-1)
FRST-4745	iv)	Economics of Non Wood Forest Products	1 (1-0)

DEPARTMENT OF EDUCATION

Program Offered

BS Education (4 Years)





B.Ed. Elementary (4 years)

Admission Requirements

1. FA/F.Sc / A level or equivalent with minimum 2nd Div with no 3rd div in the academic career
2. FA/F.Sc / A level with school subjects.
3. The admission will be subjected to the provision of the character certificate from the last degree institution

Duration of Degree

8-10 Semesters

Scheme of Study B. Ed. Elementary (Discipline 1: Urdu, English Discipline 2: History, Science)

Compulsory Courses	21 Credits
Professional Courses	49 Credits
Foundation Courses	23 Credits
Content Courses	27 Credits
Teaching Practice	15 Credits
Total Credit Hours:	135 Credits

SEMESTER I

Course Code	Courses	Credit Hrs.
ENG-1107	Functional English-I (Compulsory)	3
ISL-0012	Islamic Studies/ Ethics (Compulsory)	2
EDU-3103	Child Development (Foundation)	3
EDU-3104	Urdu / Regional Languages (Content)	3
EDU-3105	General Science (Content)	3
EDU-3106	General Methods of Teaching (Foundation)	3
Total Credit Hours		17



SEMESTER II		
Course Code	Courses	Credit Hrs.
ENG-1207	English-II (Communication Skills Compulsory)	3
EDU-3202	Computer Literacy (Compulsory)	3
EDU-3203	Classroom Management (Foundation)	3
EDU-3204	General Mathematics (Compulsory)	3
PS-0017	Pakistan Studies (Compulsory)	2
EDU-3206	Methods of Teaching Islamic Studies (Professional)	3
	Total Credit Hours	17
SEMESTER III		
Course Code	Courses	Credit Hrs
EDU-4301	Teaching Literacy Skills (Professional)	3
EDU-4302	Art, Crafts and Calligraphy (Content)	3
EDU-4303	Teaching of Urdu (Professional)	3
EDU-4304	Science II (Professional)	3
EDU-4305	Instructional and Communication Technology (ICT) in Education (Professional)	2
EDU-4306	Teaching Practice (Short Term)	3
	Total Credit Hours	17



SEMESTER – IV		
Course Code	Courses	Credit Hrs
EDU-4401	Classroom Assessment (Foundation)	3
EDU-4402	Teaching of English (Professional)	3
EDU-4403	Teaching of Mathematics (Professional)	3
EDU-4404	School, community and Teacher (Foundation)	3
EDU-4405	Teaching of Social Studies (Professional)	2
EDU-4406	The Teaching Practicum	3
Total Credit Hours		18
SEMESTER – V		
Course Code	Course Title	Credit Hrs
EDU-5501	English – III (Technical Writing & Presentation Skills) (Compulsory)	3
EDU-5502	Foundations of Education (Foundation)	3
EDU-5503	Content Course – I(from selected discipline – I)	3
EDU-5504	Content Course – I(from selected discipline – II)	3
EDU-5505	Curriculum Development (Foundation)	3
EDU-5506	Educational Psychology (Foundation)	3
Total Credit Hours		18
SEMESTER – VI		
Course Code	Course Title	Credit Hrs
EDU-5601	Contemporary Issues and Trends in Education (Professional)	3
EDU-5602	Content Course – II (from selected discipline – I)	3
EDU-5603	Content Course – II (from selected discipline – II)	3
EDU-5604	Comparative Education (Professional)	3
EDU-5605	Introduction to Guidance and Counseling (Professional)	3
Total Credit Hours		15



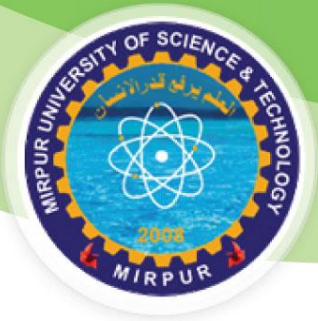
SEMESTER – VII		
Course Code	Course Title	Credit Hrs
EDU-6701	Content Course – III(from selected discipline – I)	3
EDU-6702	Content Course – III(from selected discipline – II)	3
EDU-6703	Inclusive Education (Professional)	3
EDU-6704	Educational Management and Leadership	3
EDU-6705	Research Methods in Education (Professional)	3
EDU-6706	Teaching Practice (Short Term)	3
	Total Credit Hours	18
SEMESTER – VIII		
Course Code	Course Title	Credit Hrs
EDU-6801	School Management (Professional)	3
EDU-6802	Test Development and Evaluation (Professional)	3
EDU-6803	Teaching Practice (Long Term)	6
EDU-6804	Research Project (Professional)	3
	Total Credit Hours	15
	Grand Total Credit Hours	135



DEPARTMENT OF **TOURISM & HOSPITALITY**

Degree Programs Offered

BS Tourism and Hospitality



BS Tourism and Hospitality

The BS (4 Years) in Tourism and Hospitality Management Programme is designed to prepare students to assume responsibilities in the field of management, marketing and planning through a blend of coursework, placements and projects. This Bachelor's Degree Programme will no doubt help students to enhance their interpersonal skills and provide them with a strong background and marketable skills necessary to build a successful career in the Tourism and Hospitality field. The importance of tourism as a contributor to the national economy has led us to develop a Programme that is geared towards addressing and understanding the needs of this sector. We aim at providing high quality education to those wishing to pursue a career in the Tourism & Hospitality industry.

Program Mission

School of Tourism & Hospitality Studies is dedicated to impart quality higher education & training in the field of Tourism &

Hospitality Management, to prepare globally competitive managers & professionals for Tourism & Hospitality industry.

Program Educational Objectives (PEOs)

1. To plan a progressive education training scheme and to impart, through training both practical and theoretical knowledge of every phase of Tourism & Hospitality Management.
2. To set a high standard of knowledge and practice so that the status of the Industry may be raised and catering popularized by offering attractive and progressive careers.
3. To develop a scientific attitude to management techniques and skills.
4. To inculcate habits of courtesy, discipline and hard work in the trainees and pride in the efficient accomplishment of tasks entrusted to them.



5. To impart an understanding of human nature so that the manpower can be directed to the best advantage for the Tourism & Hospitality Management.
6. To stimulate and inspire the trainee managers so that they develop an all round personality and treat learning as a 'growth process'.
7. To impart, by example and education, devotion to Duty, Honesty, Integrity, Dignity of Labor and a willingness to serve others happily and cheerfully.
8. To provide a platform for exchanging ideas and information, to help the students establish habits of seeking knowledge as well as keeping abreast with the latest development in the field by extensive use of the library, attending seminars, discussion groups, etc.
9. To maintain a close liaison between teachers and students so that each student is given a full chance for development and growth.

Program Learning Objectives (PLOs)

1. Students will demonstrate broad knowledge of and proficiency in the core functional and support areas of hospitality business.
2. Students will demonstrate specific competence in a variety of operational aspects within the hospitality industry.
3. Students will demonstrate effective written and oral communication skills.
4. Students will incorporate an understanding of ethical, social, and legal issues in reaching business-related decisions.
5. Students will creatively and critically apply their knowledge and technological skills in identifying and solving problems.
6. Students will have acquired the desire to engage in life-long learning, as demonstrated by ongoing personal and professional development.



A qualification in Tourism and Hospitality is your key to working in various areas across many sectors. You could consider working in positions such as:

1. Restaurant Manager
2. Café Manager
3. Food and Beverage Manager
4. Hotel Manager
5. Conference and Event Manager
6. Human Resource Manager
7. Marketing Manager
8. Resort Manager.

Admission Criterion:

Higher secondary school certificate/ equivalent securing at least 45% marks are eligible to apply.

Selection Criterion:

Selection is made on the basis entry test and on the basis of previous qualification..

Scholarships Offered:

- | | |
|---------------------------|-----------------------------|
| 1. Need based scholarship | 4. Scottish Scholarship |
| 2. HBL foundation | 5. MUST scholarship |
| 3. Scholarship | 6. Merit based scholarship. |

Degree Requirements:

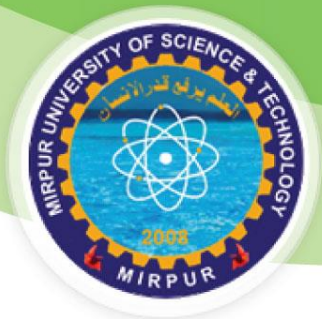
Student with 2.5 CGPA is eligible for degree.

Duration:

It is a 4 years degree program with 8 semesters and consisting of 129 credit hours: 102 credit hours for core courses; 18 credit hours for specialization courses; 3 credit hours for internship report and a 6 credit hours project.

Scheme of Study: BS Program

YEAR ONE - SEMESTER ONE



Course Code	Course Title	Credit Hrs.
BTH-111	Principles Of Management	3
BTH-112	English-I	3
BTH-113	Mathematics	3
BTH-114	Cultural History of Kashmir & Pakistan	3
BTH-115	Introduction to Tourism & Hospitality	3
BTH-116	Pakistan Studies	3
Total Credit Hours		18
YEAR ONE – SEMESTER-TWO		
Course Code	Course Title	Credit Hrs.
BTH-121	English-II	3
BTH-122	Introduction to Computer	3
BTH-123	Introduction to Archaeology	3
BTH-124	Introduction to Psychology	3
BTH-125	Pak AJK Tourism Destination	3
BTH-126	Islamic Studies	3
Total Credit Hours		18



YEAR TWO - SEMESTER THREE		
Course Code	Course Title	Credit Hrs.
BTH-231	Fundamentals Of Statistics	3
BTH-232	HRM In Hospitality Industry	3
BTH-233	English-III Technical writing & Presentation skills	3
BTH-234	Sustainable Tourism	3
BTH-235	Cultural Tourism	3
BTH-236	Int. To Sociology	3
Total Credit Hours		18
YEAR TWO - SEMESTER FOUR		
Course Code	Course Title	Credit Hrs.
BTH-241	Tourism Marketing	3
BTH-242	Hospitality Management Accounting	3
BTH-243	English-IV	3
BTH-244	Training and development	3
BTH-245	Public Relations	3
Total Credit Hours		15
YEAR THREE - SEMESTER FIVE		
Course Code	Course Title	Credit Hrs.
BTH-351	Tourism Management	3
BTH-352	Hospitality Financial Management	3
BTH-353	Cost and inventory management	3
BTH-354	International Relations & Tourism	3
BTH-355	Tourism Marketing	3
Total Credit Hours		15



YEAR THREE - SEMESTER SIX		
Course Code	Course Title	Credit Hrs.
BTH-361	Principles of Accounting	3
BTH-362	Religious Tourism	3
BTH-363	Customer Relationship Management	3
BTH-364	Leadership in hospitality industry	3
BTH-365	Advertising & Promotion	3
Total Credit Hours		15
YEAR FOUR - SEMESTER SEVEN		
Course Code	Course Title	Credit Hrs.
BTH-471	Tourism Research Methods	3
BTH-472	Seminars in tourism and hospitality	3
BTH-473	Change management	3
BTH-474	Entrepreneurship	3
BTH-475	Internship	3
Total Credit Hours		15
YEAR FOUR - SEMESTER EIGHT		
Course Code	Course Title	Credit Hrs.
BTH-481	Digital marketing	3
BTH-482	Case studies in tourism	3
BTH-483	Advance Research Methods	3
BTH-484	Hospitality Project Design	6
Total Credit Hours		15
Grand Total Credit Hours		129



Admission Policy 2020

The Admission Policy is hereby disseminated with effect from Semester Fall-2020. This policy shall be read in coincidence with the Academic Rules/Regulations of the university (university calendar Vol-II). In matters where this policy is silent, relevant rules, regulations mentioned in calendar Vol-II shall apply. The admission requirements are revised by the HEC from time to time which shall be complied with, and shall take primacy over this policy.

1. Overview of Admission Policy

- 1.1. This document contains the admission policy & procedures of Mirpur University of Science and Technology. When any conflict or difference of interpretation occurs, this document shall hold precedence over all others except the University Ordinance
- 1.2. These policies and procedures are subject to change from time to time on recommendations of Statutory Bodies of the University.

2. Admission Policy Statement

To fascinate students who are academically sound and have the ability to enhance their knowledge and contribute to the learning environment and benefit from the ethos and activities at the University.

3. Purpose

To provide a clear set of principles to the applicants, parents and advisors about admission in all courses of study at University and to ensure processes are transparent and decisions are consistent and fair.

4. Aims and Objectives

The aims and objectives of the Admissions Policy are to:

- a. Provide guidance to applicants about the admission process.
- b. Improve the quality and receptiveness of the admission process;
- c. Ensure fairness and equitable access to academic programs;
- d. Empower applicants by allowing them to manage their applications online;



- e. Ensure that the university's legal liabilities are managed effectively through consistent and appropriate admissions processes.
- f. Encouraging students to benefit from higher education being offered at University.

5. Principles of Admission Policy

The University is committed to

- a. Maintain the highest academic standards
- b. Ensure that its admissions and recruitment processes are fair, open and transparent
- c. Apply transparent, explicit, clear and consistent policy and procedure to all students.
- d. Select students on the basis of their individual merits, abilities and aptitudes.
- e. Constantly monitor and review of admissions practices and procedures to respond to any changes in the institutional mission and external factors including changing patterns in the applicant market.

6. Admission Procedure

- 6.1. The University shall advertise admissions for all the disciplines of undergraduate, graduate and postgraduate programs through electronic and print media and Website of the University on dates as may be fixed by the University from time to time.
- 6.2. University offers applicants the facility to apply online for admission to its academic programs.
- 6.3. Only online application shall be accepted on or before the stipulated deadline and No hard copy of the form/ and credentials shall be required. However, all responsibilities of the provided data in the application shall rest upon the applicant. In case of any discrepancy, the admission shall be cancelled at any stage of the degree.
- 6.4. Applicants should be aware, that the presentation of incorrect information or document(s) in connection with admission is a criminal offense and the University reserves the right to initiate appropriate action.
- 6.5. The submitted applications shall be acknowledged by the text message on the applicant's given cell number.



Degree wise electronic list of all applicants shall be displayed on MUST admission portal (<https://MUST.edu.pk>) after the closing date of the admission. The missing candidates (if any) may contact, Director Students Affairs, MUST (dsa@must.edu.pk) before the date of merit list. Otherwise, the claim shall not be entertained after the display of Merit Lists.

6.6. The University shall establish Admission Facilitation Centre's at the following venues, equipped with IT services, for the guidance of the desiring applicants;

- a) Director Students Affairs
City Campus MUST Mirpur
Ph.: 05827-961045, 05827-960096
- b) MUST Campus Bhimber Office of the coordinator
campus
Ph.: 05828-960007
- c) MUST Campus Palandri Office of the coordinator
campus
Ph.: 05825-960031

6.7. All admissions in under graduation and graduation shall be made through Admission Committee consisting of

three members recommended by the concerned Dean of the Faculty and approved by the Vice Chancellor. The Senior most member of the Committee shall be the Chairperson and junior most member shall be the Secretary of the Committee

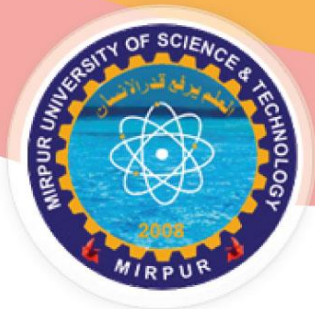
6.8. List of selected candidates shall be displayed on the notice board and MUST admission portal (<https://must.edu.pk>) as per admission calendar.

6.9. An applicant can file the admission grievance(s) (if any) in writing along with all required documents to the office of the respective Faculty Dean for redressed.

6.10. All the selected candidate mentioned in any merit list shall present all the credentials in original for verification to respective Faculty Admission Committee (FAC). Verified applicants shall submit two sets of attested copies of all certificates/degrees and four recent passport size photographs (with blue background). Faculty Admission Committee (FAC) shall issue Chillan form for the deposit of 1st-semester dues/Fee.



- 6.11. The admission dues/fee shall be deposited during the stipulated period in the designated branches of banks.
- 6.12. The undergraduate degree programs shall be offered on the basis of relevant first (1st) year examinations of Intermediate or equivalent, BA, BSc or equivalent or first two-year results of Diploma of Associate Engineering (DAE) duly recognized by Pakistan Board of Technical Education (PBTE).
- 6.13. For MS/MPhil & PhD, all the selected candidates mentioned in any merit list shall present all the credentials in original for verification to respective Departmental Admission Committee (DAC). Verified applicants shall submit two sets of attested copies of all certificates/degrees and four recent passport size photographs (with blue background). The Convener of DAC shall issue challan form for the deposit of 1st-semester dues/Fee.
- 6.14. The graduate and postgraduate degree programs shall be offered on the basis of complete terminal degree.
- 6.15. There will be no reserved seat(s) for graduate and postgraduate degree programs.
- 6.16. Considering resources, the minimum required number of seats to initiate degree program(s) shall be decided by the notified committee.
- 6.17. The Campus/Faculty wise number of seats for various Undergraduate degree programs are mentioned however, in special circumstances (not to be mentioned) University reserves the rights not to offer degree program(s). In such cases, the deposited fee/dues shall be refunded as per MUST policy.
- 6.18. A candidate can mark his/her preference for admission for more than one-degree programs within a Faculty; however, for other Faculty a separate admission form shall be submitted.
- 6.19. A candidate shall have to pay @ Rs 1500/= as admission processing fee, whereas Rs 300/= shall be charged for each extra degree program of the same faculty within the stipulated time as mentioned in the admission advertisement/calendar. A separate admission



application/processing fee shall be submitted by candidate(s), if they are desirous to apply in programs of different faculties.

6.20. Subject to the availability of seat/merit and prior to the submission of application in more than one discipline(s), a candidate shall be allowed changing major discipline within the stipulated time.

6.21. In case of “O”, “A” level education in Pakistan or abroad a Marks Equivalence Certificate (MEC) from Inter Board Committee of Chairmen (IBCC), Islamabad, Pakistan or Higher Education Commission (HEC), Islamabad, Pakistan shall be required respectively.

6.22. In case of any other relevant equivalent degree, the Equivalence Certificate from HEC shall be required.

6.23. The required calculation of percentage from CGPA for other than MUST candidates (if any), MUST, CGPA conversion formula shall be followed.

6.24. In case seats remain vacant after the completion of admission process, the late admission may be offered to the candidates falling next in merit not later than 3rd week after the commencement of the semester. However, in such case the student shall be responsible to make up any kind of deficiencies.

Age relaxation Policy of Azad State Jammu and Kashmir

Degree Program	Upper Age Limit	Maximum Age Relaxation
All Undergraduate Degree Programs including; BS/BBA (4 years)/LLB/ BS-Engineering Technology /BSc-Engineering and Associate Degrees (after 12 years of education)	24	Five Year for Females Two Year for Males
All Undergraduate degree programs including; MA/MSc (2 years)/M-Com (after 14 years of education)	26	Five Year for Females Two Year for Males

Note: For MUST Business School (MBA)’s Master Program and graduate, post graduate degree programs there is no upper age limit of applicants.



7. Degree Programs:

The following degree programs shall be offered in the University

7.1. Faculty of Arts and Humanities

1- Undergraduate Degree Programs (Full Time Morning)

1. BS-English (Bimber Campus)
2. BS- Sociology
3. BS-Islamic Studies
4. BS-Media & Communication Studies
5. BS- International Relation
6. BS- Economics (Bimber Campus)
7. BS- Home Economics
8. BS-Fashion Designing
9. BS- Tourism & Hospitality (Pilandri Campus)

2- Undergraduate 05 Years Degree Programs

1. BA-LLB

3- Master 02 Years Degree Programs

1. Arabic
2. Education
3. English (Bimber Campus)
4. Islamic Studies
5. Economics (Bimber Campus)

4-Teacher Training Degree Programs

1. B.Ed. Secondary (1.5 Yrs.)
2. B.Ed. Elementary (2.5 Yrs.)
3. B.Ed Elementary (4 Yrs.)

5- Graduate Degree Programs MS/MPhil (Full Time Morning)

1. Economics (Bhimber Campus)
2. Islamic Studies
3. Education



7.2. Faculty of Engineering and Technology

1-Undergraduate Degree Programs (Full Time Morning)
1. BS- Civil Engineering
2. BS- Computer System Engineering
3. BS- Electrical Engineering
4. BS-Mechanical Engineering
5. BS- Software Engineering
2-Undergraduate (Full Time Morning)
1. BS-Civil Engineering Technology
2. BS-Electrical Engineering Technology
3. BS-Mechanical Engineering Technology
3-Graduate Degree Programs M.Sc./MS (Full Time Morning)
1. Civil Engineering
2. Computer Systems Engineering
3. Electrical Engineering
4. Energy Systems Engineering
5. Mechanical Engineering
6. Software Engineering
4-PhD
1. Civil Engineering
2. Electrical Engineering
3. Mechanical Engineering

7.3- Faculty of MUST Business School

1-Undergraduate Degree Programs (Full Time Morning)
BBA-Accounting and Finance
1. BBF-Banking and Finance
2. BS-Commerce
2-Master Degree Programs (Full Time Morning)
1. MBA (3.5 Yrs.)
2. M.Com (2 Yrs.)
3-Master Degree Programs (Full Time Evening)
1. MBA (2 Yrs. Executive)
2. MBA (1.5 Yrs.)
4-Graduate Degree Programs MS/MPhil (Full Time Morning)
1. Management Sciences



7.3- Faculty of Natural & Applied Sciences

1-Undergraduate Degree Programs (Full Time Morning)
1. BS-Biotechnology
2. BS-Botany (Bhimber Campus)
3. BS-Chemistry
4. BS-Computer Science
5. BS-Information Technology
6. BS-Mathematics
7. BS-Physics
8. BS-Statistics (Bhimber Campus)
9. BS-Zoology
10. BS- Forestry (Pilandri Campus)
2-Graduate Degree Programs MS/MPhil (Full Time Morning)
1. Computer science
2. Mathematics
3. Physics
4. Chemistry
5. Zoology
6. Biotechnology
7. Botany (Bhimber Campus)

3-PhD (Full Time)
1. Mathematics
2. Physics
3. Chemistry
4. Biotechnology
5. Botany (Bhimber Campus)

7.4- Faculty of Health and Medical Sciences

1-Undergraduate Degree Programs (Full Time Morning)
1. BS - Human Nutrition & Dietetics (HND)
2. Doctor of Physical Therapy (DPT)
3. BS – Medical Lab Technology (MLT)



8. Basic Criteria to apply for Undergraduate Degree Programs (BS/BBA(04 Years/8 semesters)/LLB/DPT(5 Years/10 semesters)/BS-Engineering Technology/BS-Engineering (04 Years / 08 semesters)/ after 12 Years of Education)

8.1. Subject to the verification of the minimum required criteria and relevance of the subject by the Faculty Admission Committee (FAC), the provisional admission shall be awarded on the Merit of the First (1st) Year examination of Intermediate or equivalent or the First Two Years' accumulative results of DAE or equivalent marks obtained; however, the fulfillment of relevant minimum criteria shall be required to apply for admission.

8.2. In this regard, the candidate shall have to submit an affidavit (already given in the online admission application form) confirming that he/she shall meet all

the required respective minimum criteria mention in the advertisement with at least 45%, 50%, and 60% respectively required marks in the 2nd / Final Year of the relevant annual examinations; otherwise, the provisional admission shall stand cancelled and The cancelled admission in this category full fee shall be refund according to HEC policy.

8.3. Merit Determination Criteria

The merit shall be determined of above mentioned degree programs as follow.

1-	Weightage of Entry Test Marks	30%
2-	Weightage of Matric Marks	25%
3-	Weightage of FA/F.Sc (1st Year) Marks	45%
Total:		100



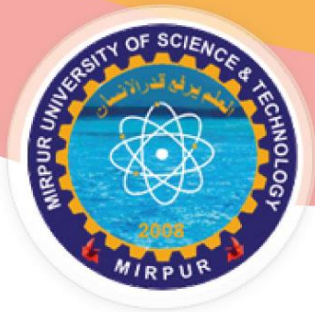
8.4. Pre-requisites for Admission:

The pre-requisites and other requirements (if any) for admission in Undergraduate Degree Programs are as under

Degree Program	Pre-Requisites
1- BS-English 2- BS-Islamic Studies 3- BS-Media and Communication Studies 4- BS-Economics 5- BS-International Relations 6- BS-Sociology 7- BS-Tourism & Hospitality 8- BS-Fashion Designing 9- BS Home Economics 10- B.Ed. Elementary 11- BS-Banking and Finance 12- BS-Commerce 13- BBA-(Bachelor of Business Administration)	Intermediate or equivalent with at least 45% marks
14- BS-Biotechnology 15- BS-Botany 16- BS-Zoology 17- BS- Human Nutrition and Dietetics 18- BS – Medical Lab Technology (MLT) 19- BS- Forestry	Intermediate (F.Sc. Pre-Medical only) with 45% marks for all, 50% marks for Biotechnology and 60% for Human Nutrition and Dietetics and Medical Lab Technology (MLT)



20- BS-Chemistry	Intermediate (F.Sc. Pre-Engineering or F.Sc. Pre Medical)
21- BS-Mathematics	F.Sc. (Pre-Engineering), ICS in Mathematics and any one of Physics, Statistics or Economics or equivalent or F.A. in Mathematics, Statistics and Economics marks (2nd Division) or F.Sc Pre Medical with Additional Mathematics with minimum 45%
22- BS-Physics	F.Sc. (Pre-Engineering) in Physics, Mathematics or equivalent or F.Sc Pre Medical with Additional Mathematics with minimum 45% marks (2nd Division).
23- BS-Statistics	Intermediate (F.Sc. Pre-Engineering or Intermediate or General Science Group with Statistics)
24- BS-Computer Science 25- BS-Information Technology	F.Sc./ F.A (Economics/ Statistics, Mathematics, Physics), ICS, I.Com, Diploma in IT/ Electronics or equivalent to Intermediate with 50% marks.
26- LLB	Intermediate or equivalent with at least 45% marks NOTE: Qualified Law Admission Test (LAT) conducted by HEC shall be required.
27-Doctor of Physical Therapy (DPT)	F. Sc. (Pre-medical) with minimum 60% Marks
28- BS Civil Engineering 29- BS Computer System Engineering 30- BS Electrical Engineering 31- BS Mechanical Engineering 32- BS Software Engineering	<ul style="list-style-type: none"> At least 60% marks in Intermediate (FSc; Pre-Engineering or Pre-Medical with additional Mathematics or equivalent) NOTE: Three-year Diploma in Associate Engineering (DAE) in the relevant technology duly recognized by Pakistan Board holders may apply against reserved seats in relevant BS-Engineering degrees. However, MUST Entry Test shall be required to apply for BS Engineering degrees
33- BS Civil Engineering Technology 34- BS Electrical Engineering Technology 35- BS Mechanical Engineering Technology	Intermediate FSc Pre-Engineering, FSc Pre-Medical with additional Mathematics or relevant DAE with at least 50% marks NOTE: No Entry Test is required



9. Basic Criteria to Apply for Degree Programs: MA/MSc/MBA/MCom (after 14 Years of education);

9.1. Subject to the verification of the minimum required criteria and relevance of the subject by the Faculty Admission Committee (FAC), the provisional admission shall be awarded on the Merit of BA/BSc/B Com (third semester or third year results) or equivalent marks obtained; however, at least 45% marks to apply for admission to all Undergraduate degree programs MA/MSc/ MBA and M-Com (after 14 years of education) shall be required.

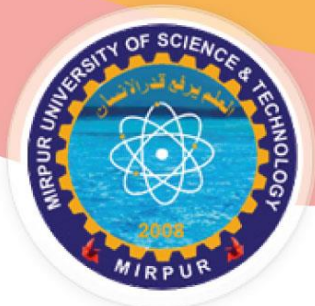
9.2. In this regard, the candidate shall have to submit an affidavit (already given in the online admission application form) confirming that he/she shall meet all required respective minimum criteria with at least 45% required marks in the final year / 4th Semester; otherwise, the provisional admission shall stand cancelled. The cancelled admission in this category the

fee shall be refunded according to HEC fee refund policy.

9.3. Merit Evaluation Criteria

The merit shall be determined for admission in above mentioned degree programs as follow.

- 1- Weightage of Entry Test Marks
30%
- 2- Weightage of Matric Marks
10%
- 3- Weightage of FA/F.Sc. Marks
20%
- 4- Weightage of BA/B.Sc. (3rd Year) Marks
40%



9.4. Pre-requisites for Admission

The pre-requisites and other requirements (if any) for admission in this category are as under:

Degree Program	Pre-Requisites
1. MA Islamic Studies 2. MA Arabic 3. MA English 4. MSc Botany 5. MSc Computer Science (MCS) 6. MA Economics 7. MSc Physics 8. MSc Chemistry 9. MSc Zoology	200 marks in the relevant subject in the last degree and overall at least 2 nd division.
10. MBA: 3.5 Years 11. MA Education	BA/BSc/BCom or equivalent with at least 2 nd division.
12. MBA Executive 2 Years	BA/B.Sc./B.Com (14 years of Education) with at least 2 nd division, plus 4 years' experience or 16 years of Education with 2 years' experience at administrative/ Industry Level.
13. MBA 1.5 Years	BBA/ B.Com (4 Years) with 2 nd division

14. MSc Mathematics	Mathematics with 400 with 2 nd division
15. M.Com	B.Com (IT) / Associate Degree in Accounting & Finance with 2 nd division.
16. B. Ed Elementary 2.5 years (after 14 years Education)	BA/B.Sc. or equivalent with 2 nd division.
17. B. Ed Secondary 1.5 years (after 16 years Education)	MA/MSc/BS Graduates or equivalent with at least 2 nd division.

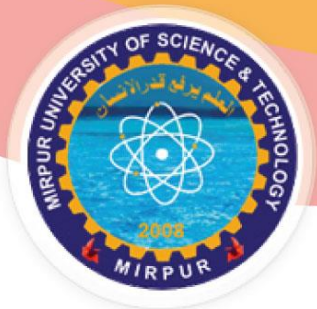
10. Admission Regulations For MS/ M.Phil Degree Programs (after 16 Years of education)

10.1. The departmental admission committee (DAC) shall ascertain the eligibility of the candidates by scrutinizing the admission form. The provisional list of shortlisted candidates shall be displayed on departmental notice board and MUST website.

10.2. The short listed candidates shall provide the GAT-General (www.nts.org.pk/gat/gat.asp) conducted by the National Testing Service with a minimum 50% cumulative score. The GAT-General test is valid for a period of two years.



- 10.3. If the Test is not available in NTS subject list, then a University Committee consisting of at least 3 PhD faculty members in the subject area and approved by the HEC will conduct the Test and qualifying score for this will be 60%.
- 10.4. The interviews of short listed candidates shall be conducted by the DAC with intimation to the Director ASRB.
- 10.5. The Admission Committee will grant admissions subject to the approval by the Advanced Studies & Research Board (ASRB). The cases need to be submitted before the start of sessional examination of the first semester. The ASRB will be responsible to respond back before the start of terminal examination of the first semester.
- 10.6. The number of scholars to be admitted shall be such as may be determined by the competent authority in consultation with the Chairperson/ Director of the department.
- 10.7. There shall be an admission committee for each department which shall perform functions as specified from time to time. The four members committee shall have tenure of three years. It shall consist of the following: Dean of the concerned Faculty (Chairperson of the Committee), Chairperson/ Director of the concerned Department/ Institute/ Centre/ School/ College/ Affiliated Institution, two Senior faculty members of the relevant discipline to be nominated by the Dean on the recommendation of concerned Head, approved by the Vice Chancellor.
- 10.8. Admissions will be granted on open merit basis (there is no quota seat). However, foreign candidates will be selected through the Federal Ministry of Education, Government of Pakistan.
- 10.9. The candidate has to produce at the time of the first enrolment, a certificate from the Medical Officer of any public sector hospital to the effect that he/ she is free of any communicable disease or mental or physical disability which is likely to stand in the way of his/ her pursuit of higher studies and research.



- 10.10. The candidate must also produce character certificate issued by the Head of Institution last attended by the student testifying good moral character of the student. All those candidates, who were punished by any Degree Awarding Institutions (DAI's) for acts of indiscipline and other undesirable activities and were awarded major penalties, shall not be admitted to postgraduate studies in the University under any circumstances. All other candidates, who were, awarded minor penalties for more than once shall not be admitted to the postgraduate studies in the University either.
- 10.11. All the employees of public sector organizations have to produce the certificate of study leave to pursue the

studies as a regular student from their respective head offices.

- 10.12. The employees of the University appointed on permanent/ adhoc/ contract basis shall be allowed to join the programme, classes as whole time regular scholars without obtaining leave of absence. Such employees shall have to produce a certificate from the concerned Head to the effect that the normal work of the department will not be affected.
- 10.13. The selected candidates will have to produce HEC attested degree of previous class within a month of their admission.



10.14. Merit Evaluation Criteria

- a) A candidate shall be selected on the basis of cumulative merit to be determined from his/ her past academic record and achievements in the written tests conducted by the Controller of Examinations and Interview by Admission Committee of the concerned discipline.
- b) The allocation of marks for determining merit shall be as follows:
- | | |
|--------------------|----------|
| i. Academic Record | 55 marks |
| ii. Admission Test | 35 marks |
| iii. Interview | 10 marks |
- c) The distribution of marks allocated to the academic record shall be as under:
- (a) $[\text{Marks obtained in B.Sc. (Engg.)/ BS (4 years)} \div \text{Total Marks}] \times 40 + [\text{Marks obtained in F.A./F.Sc.} \div \text{Total Marks}] \times 15.$
- (b) $[\text{Marks obtained in M.A./ M.Sc.} \div \text{Total Marks}] \times 20 + [\text{Marks obtained in B.A./ B.Sc.} \div \text{Total Marks}] \times 20 + [\text{Marks obtained in F.A./ F.Sc.} \div \text{Total Marks}] \times 15.$
- (c) $[\text{Marks obtained in BS (5 years)} \div \text{Total Marks}] \times 40 + [\text{Marks obtained in F.A./F.Sc.} \div \text{Total Marks}] \times 15.$
- (d) $[\text{Marks obtained in BS (6 years)} \div \text{Total Marks}] \times 55.$



10.15. Pre-requisites for Admission

Degree Program	Pre-Requisites
1. Civil Engineering 2. Computer Systems Engineering 3. Electrical Engineering 4. Energy Systems Engineering 5. Mechanical Engineering 6. Software Engineering	<ul style="list-style-type: none"> B.Sc. Engineering or equivalent qualifications in the relevant subject with at least 65% marks, no 3rd division in the academic record and duly registered with the Pakistan Engineering Council. For Energy Systems Engineering, B.Sc. Engineering in Mechanical, Electrical, Civil, Environmental or Chemical with at least 65% marks, no 3rd division in the academic record and duly registered with the Pakistan Engineering Council.

1. Mathematics 2. Physics 3. Chemistry 4. Zoology 5. Biotechnology 6. Botany 7. Computer Science 8. Management Sciences 9. Education 10. Economics 11. Islamic Studies	<ul style="list-style-type: none"> M.Sc./ BS (Hons) in equivalent qualifications in the relevant subject with at least 65% marks, no 3rd division in academic record. For Biotechnology M.Sc./ BS (4 Years) with at least 65% marks in Biotechnology/ Biology/ Bio-Chemistry/ Botany/ Zoology/ Molecular Biology/ Bio-informatics/ Pharm-D/ Medical Lab Technology/ DVM or Agriculture Science, no 3rd division in academic record. In case CGPA or %age obtained by the candidate is not mentioned on his/her transcript the academic qualification marks shall be calculated as per MUST evaluation policy.
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11. Admission Regulations For Ph.D. Degree Programm

11.1. The departmental admission committee (DAC) shall ascertain the eligibility of the candidates by scrutinizing the admission form. The provisional list of shortlisted candidates shall be displayed on departmental notice board and MUST website.

11.2. A subject test conducted by the National Testing Service (NTS) or ETS, USA in the area of specialization chosen at the PhD level must be cleared prior to admission for the PhD Program.

- a) In the case of Graduate Assessment Test (GAT) (<http://www.nts.org.pk/gat/gatsubject.asp>) a minimum of 60% score is required.
- b) In the case of GRE subject test a minimum of 60% (for admissions thereafter) percentile score is required.

c) If the test is not available in NTS subject, then a University committee consisting of atleast 3 Ph.D. faculty members in the subject area, approved by the HEC will conduct the Test at par with GRE Subject Test and qualifying score for this test will be 70%.

11.3. The interviews of short listed candidates shall be conducted by the DAC with intimation to the Director ASRB.

11.4. The Admission Committee will grant admissions subject to the approval by the Advanced Studies & Research Board (ASRB). The cases need to be submitted before the start of sessional examination of the first semester. The ASRB will be responsible to respond back before the start of terminal examination of the first semester.



11.5. The number of scholars to be admitted shall be such as may be determined by the competent authority in consultation with the Chairperson/ Director of the department.

11.6. There shall be an admission committee for each department which shall perform functions as specified from time to time. The four members committee shall have tenure of three years. It shall consist of the following: Dean of the concerned Faculty (Chairperson of the Committee), Chairperson/ Director of the concerned Department/ Institute/ Centre/ School/ College/ Affiliated Institution, two Senior faculty members of the relevant discipline to be nominated by the Dean on the recommendation of concerned Head, approved by the Vice Chancellor.

11.7. Admissions will be granted on open merit basis (there is no quota seat). However, foreign candidates will be selected through the Federal Ministry of Education, Government of Pakistan.

11.8. The candidate has to produce at the time of the first enrolment, a certificate from the Medical Officer of any public sector hospital to the effect that he/ she is free of any communicable disease or mental or physical disability which is likely to stand in the way of his/ her pursuit of higher studies and research.

11.9. The candidate must also produce character certificate issued by the Head of Institution last attended by the student testifying good moral character of the student. All those candidates, who were punished by any Degree Awarding Institutions (DAI's) for acts of indiscipline and



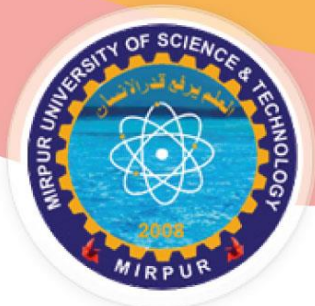
other undesirable activities and were awarded major penalties, shall not be admitted to postgraduate studies in the University under any circumstances. All other candidates, who were, awarded minor penalties for more than once shall not be admitted to the postgraduate studies in the University either.

11.10. All the employees of public sector organizations have to produce the certificate of study leave to pursue the studies as a regular student from their respective head offices.

11.11. The employees of the University appointed on permanent/ adhoc/ contract basis shall be allowed to

join the programme, classes as whole time regular scholars without obtaining leave of absence. Such employees shall have to produce a certificate from the concerned Head to the effect that the normal work of the department will not be affected.

11.12. The selected candidates will have to produce HEC attested degree of previous class within a month of their admission.



11.13. Merit Evaluation Criteria

1. A candidate shall be selected on the basis of cumulative merit to be determined from his/ her past academic record, achievements in Interview by Admission Committee of the concerned discipline and research publication.
2. The allocation of marks for determining merit shall be as follows:
 - i. Academic Record 80 marks
 - ii. Interview 15 marks
 - iii. Research Publication 5 Marks
3. The distribution of marks allocated to the academic record shall be as under:
 - a) $[\text{Marks obtained in M.Sc. (Egg.)} \div \text{Total Marks}] \times 25 + [\text{Marks obtained in B.Sc. (Egg.)/ BS (4 years)} \div \text{Total Marks}] \times 40 + [\text{Marks obtained in F.A./F.Sc.} \div \text{Total Marks}] \times 15.$
 - b) $[\text{Marks obtained in M.Phil.} \div \text{Total Marks}] \times 25 + [\text{Marks obtained in M.A./ M.Sc.} \div \text{Total Marks}] \times 20 + [\text{Marks obtained in B.A./ B.Sc.} \div \text{Total Marks}] \times 20 + [\text{Marks obtained in F.A./ F.Sc.} \div \text{Total Marks}] \times 15.$
 - c) $[\text{Marks obtained in M.Phil.} \div \text{Total Marks}] \times 25 + [\text{Marks obtained in BS (5 years)} \div \text{Total Marks}] \times 40 + [\text{Marks obtained in F.A./F.Sc.} \div \text{Total Marks}] \times 15.$
 - d) $[\text{Marks obtained in M.Phil.} \div \text{Total Marks}] \times 25 + [\text{Marks obtained in BS (6 years)} \div \text{Total Marks}] \times 55.$
 - e) $[\text{Marks obtained in M.Phil.} \div \text{Total Marks}] \times 25 + (\text{Marks obtained in BS (6 years)} \div \text{Total Marks}) \times 55.$
 - f) $[\text{Marks obtained in M.Phil.} \div \text{Total Marks}] \times 25 + (\text{Marks obtained in BS (6 years)} \div \text{Total Marks}) \times 55.$



11.14. Pre-requisites for Admission

The pre-requisites and other requirements (if any) for admission in this category are as under

Degree Program	Pre-Requisites
<ul style="list-style-type: none"> • Biotechnology • Botany • Mathematics • Physics • Chemistry 	<ul style="list-style-type: none"> • At least 18 years of education (MS/MPhil degree) or equivalent qualification in the relevant subject with at least 65% marks, no 3rd Division in academic record. • For Biotechnology MPhil in 1st Division or CGPA 3.0/4.0 with at least 65% marks in Biotechnology/ Biology/ Bio-Chemistry/ Botany/ Zoology/ Molecular Biology/ Bio-informatics/ Agriculture Science or Pharmacy. • 06 CH research in his/her MS/MPhil program. • In case CGPA or %age obtained by the candidate is not mentioned on his/her transcript the academic qualification marks shall be calculated as per MUST evaluation policy.

12. **ADMISSION POLICY FOR RESERVED SEATS IN UNDERGRADUATE DEGREE PROGRAMS (EXCEPTIONS / CONDITIONS ARE MENTIONED WITH EVERY CATEGORY)**

- a) The merit of the reserved seats shall be determined within the category; however, the applicant has to fulfil the general admission/minimum required eligibility criteria to apply for.
- b) A candidate can apply against both reserved and merit seats; however, separate application forms shall be filled
- c) The number of reserved seats are included in total allocated seats; however, unfilled reserved seat (if any) shall be dealt under open merit.
- d) In case more than required nominations against a particular degree program are received, MUST shall reserve the rights to prepare the merit list within the same category as per MUST policy.



- e) The nomination against a category shall not change, unless approved by the relevant nominated authority.
- f) Following is the detail of the admission against reserved seats.

S #	Reserved Seat Category	Percentage of the seats reserved in total Allocated Seats	Degree Programs allowed and Requirements at the Time of Registration
1	Special Persons	02 % (at least one seat)	<p>a) The applicant shall have to produce a disability certificate, duly issued by the Social welfare department government of Azad Jammu and Kashmir before the date of the commencement of the admission.</p> <p>b) The candidate shall have to appear before the MUST Medical Board/ Disable Admission Committee for Medical examination as per advertised schedule/admission calendar along with original credentials.</p> <p>NOTE: Currently, facilities for the blindness and the elevators are not available.</p>
2	Children of MUST Employees	02 % (at least one seat)	<p>a) In all degree programs offered in MUST Campus and LLB except for Graduate and PhD degree programs.</p> <p>b) NADRA B-Form that includes the name(s) of the children applied for admission.</p> <p>c) MUST employment certificate issued by Registrar office.</p>



S #	Reserved Seat Category	Percentage of the seats reserved in total Allocated Seats	Degree Programs allowed and Requirements at the Time of Registration
3	AJ&K Refugees (Refugees settled in Pakistan/ Refugees 1989)		a) In all degree programs offered at MUST. b) Merit list shall be prepared by the relevant Admission Committee.
4	FATA/ KPK		a) In all B.Sc. Engineering degree Programs, CS and IT Undergraduate Programs. b) The applicant shall provide a nomination letter from the respective nominating authorities.
5	Punjab		a) In all B.Sc. Engineering degree Programs, CS and IT Undergraduate Programs. b) The applicant shall provide a nomination letter from the respective nominating authorities.
6	Sindh		a) In all B.Sc. Engineering degree Programs. b) The applicant shall provide a nomination letter from the respective nominating authorities.
7	Baluchistan		a) In all B.Sc. Engineering degree Programs. b) The applicant shall provide a nomination letter from the respective nominating authorities.



S #	Reserved Seat Category	Percentage of the seats reserved in total Allocated Seats	Degree Programs allowed and Requirements at the Time of Registration
8	Pakistan National		a) In all BS and Masters Programs of Faculty of Natural & Applied Sciences and Arts & Humanities Programs. b) The applicant shall provide a nomination letter from the respective nominating authorities after selection in merit list produced by relevant Admission Committee.
9	Gilgit-Baltistan		a) In all degree programs offered at MUST. b) The applicant shall provide a nomination letter from the respective nominating authorities.
10	Diploma (DAE) Holder		a) In relevant B.Sc. Engineering degree Programs. b) The applicant shall provide a nomination letter from the respective nominating authorities.
11	Wards of Shuhada, War Disabled Serving and Retired Individuals of Pakistan Armed Forces	01 % (at least one seat)	In all degree programs offered at Mirpur University of Science and Technology The applicant shall produce a nomination letter from the GHQ. Without the nomination letter from GHQ, admission shall not be granted.



DISCLAIMER

This Prospectus is intended for the guidance of persons applying for admission to the MUST. All reasonable care has been taken to ensure that the information published in this prospectus is correct. However, the University provides no guarantee that the information is accurate nor it can be held responsible for any errors or omissions. The Prospectus is not intended to be and should not be regarded as a legal binding between the university and applicant/any person. The use and interpretation of information contained herein is to be done by the university only. The University reserves the right to change the information any time in its absolute discretion.