

MUST ANNUAL REPORT 2022-23



MIRPUR UNIVERSITY OF SCIENCE AND TECHNOLOGY (MUST),
MIRPUR (AJ&K)

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TABLE OF CONTENTS

Description	Page No.
• <i>Message from the Chancellor</i>	7
• <i>Message from the Vice Chancellor</i>	8
• <i>Executive Summary</i>	10
• <i>Mission</i>	14
• <i>Vision</i>	15
• <i>Motto</i>	16
• <i>Aims and Objectives</i>	17
• <i>Core Values</i>	18
• <i>Strategic Aims</i>	19
• <i>Organizational Organogram</i>	20
• <i>Faculties Organogram</i>	21
• <i>Salient Activities of the Vice Chancellor's Office</i>	23
• <i>Academic Profile</i>	150
» <i>Faculty of Natural and Applied Sciences (FN&AS)</i>	151
» <i>Faculty of Social Sciences and Humanities (FSS&H)</i>	165
» <i>Faculty of Engineering and Technology (FE&T)</i>	176
» <i>Faculty of Veterinary and Animal Sciences (FV&AS)</i>	194
» <i>Faculty of Health and Medical Sciences (FH&MS)</i>	198
» <i>MUST Business School (MBS)</i>	216
• <i>Research Publications</i>	219
• <i>Administrative and Allied Offices</i>	241
» <i>Networks and Telecommunication Centre</i>	242
» <i>Advanced Studies and Research Board (AS&RB)</i>	245
» <i>Office of Research, Innovation and Commercialization (ORIC)</i>	246
» <i>Students Assistance Centre (SAC)/ Kamyab Jawan Markaz</i>	272
» <i>Planning & Development Department (P&D)</i>	275
» <i>Human Resource Management (HRM)</i>	278
» <i>Quality Enhancement Cell (QEC)</i>	280
» <i>Sports Activities</i>	289





Message THE CHANCELLOR'S

I take immense pleasure to write that Mirpur University of Science and Technology (MUST) has made substantial progress since its establishment in 2009. The importance of education cannot be denied, but what puts the difference is the quality of education. In this context, MUST has emerged as one of the premier institutions in the State of Azad Jammu and Kashmir. Since its inception, MUST has held several events such as seminars, conferences, workshops, and competitions to keep the issue of Illegally Indian Occupied Kashmir alive at the national and international levels, besides educating students and the masses about the historical background. The university has many disciplines of studies from the undergraduate to postgraduate levels like; engineering, natural sciences, technology, health sciences, animal sciences, business studies and social sciences etc. Along with the academic activities, the university also offers a variety of co-curricular activities, which include series of events organised by different societies and clubs, educational tours, inter-university sports etc. I believe that because of quality education imparted in MUST each graduate of MUST shall be able to compete globally.



**BARRISTER SULTAN MAHMOOD
CHAUDHRY**

President of Azad Jammu and
Kashmir

Chancellor Mirpur University
of Science and Technology,
(MUST), Mirpur AJ&K

MUST has held several events such as seminars, conferences, workshops, and competitions to keep the issue of Illegally Indian Occupied Kashmir alive at the national and international levels, besides educating students and the masses about the historical background.



Message

THE VICE CHANCELLOR'S

It is indeed sheer blessing of Almighty Allah to bestow upon me, the honour of serving as Vice Chancellor of Mirpur University of Science and Technology MUST, Mirpur AJ&K since June 2021. Magnificently culminating another year marked by a steadfast commitment to academic and professional excellence is source of copious gratitude and deep acknowledgment. The resplendent successes are testament to resolute perseverance and resilience exhibited by the administrative hierarchy, esteemed faculty members, Staff and students of Mirpur University. Since the establishment of MUST, Mirpur AJ&K in 2008, University aspires to foster exceptional world-class education and research aiming to nurture, cultivate and promote students' global competence by exploring their concealed potentials, skills and creativity required to contest the challenges of modern times. For last 15 years, MUST has been playing pivotal role in providing the Youth across the State of Azad Jammu & Kashmir and Pakistan with tremendous opportunities to actualize their potential and rise to the apex of the glory as our motive is ever evolving educational, research centered goals and initiatives that collimate with our vision, mission and moral values.

It's my pleasure to announce the release of the MUST Annual Report 2022-2023 by Mirpur University of Science and Technology MUST, Mirpur AJ&K, which encompasses the whole gamut of activities. The Edition will be



**BRIG (R) PROF. DR. MUHAMMAD
YUNUS JAVED, SI(M)**

Vice Chancellor

Mirpur University of Science and
Technology (MUST), Mirpur AJ&K



Mirpur University actively seeks collaborative ties with industry partners and also with National and International organization to foster the development of both faculty and students



offering a thorough insight into our Academic & Administrative accomplishments, Convocation Ceremony, International Conferences, Faculty Development Workshops & Seminars, Research Initiatives & Publications, Developmental & Research Grants, Health & Wellness Campaigns, Quality Assurance, Celebration of National Days, Sports Mega Events & Literary activities, Industrial Collaborations, Memorandums of Understanding, Guest Speakers and overall progress made during the Year. MUST Annual Report 2022-2023 is a reflection of collective efforts put in by all quarters of the Mirpur University as our endeavors would not have been conceivable without devotion, professionalism and tireless efforts of our faculty members, administrative staff and students.

In Times Higher Education (THE) and World University Rankings (WUR) 2024, MUST has earned 19th position in whole Pakistan & first in Azad Jammu and Kashmir. To keep flag high, Mirpur University is committed to provide a conducive environment and transformative learning prospects to its students so that they can develop academically, intellectually and

socially, as our students are the ambassadors of MUST & their accomplishments in academia, sports, arts and community service mirror the teachings of Mirpur University. In this way with collective efforts, we will continue to propel forward under guidance of our strategic vision and will be leading the way with research & innovation. Entire apparatus of Institution is working round the clock to achieve our primary and foremost mission to contribute in national development while focusing on the professional growth of students and to equip them with the knowledge, skills & vision required to develop confident leaders, independent thinkers and creative entrepreneurs which will surely expand our reach and impact on the National Level and beyond.

Mirpur University actively seeks collaborative ties with industry partners and also with National and International organization to foster the development of both faculty and students. Such initiatives are modernizing the scope of learning. I take immense pride in our collective achievements and MUST aspires to new heights and greater accomplishments in the coming year.



Executive SUMMARY

Mirpur University of Science and Technology (MUST), Mirpur, AJ&K was established in year 2008 as a center of excellence, dedicated to academia and research endeavours. Its mission is to cultivate the future leadership of both AJ&K and Pakistan by offering multidisciplinary education and research programs. For last 15 years University has grown into a distinguished Public Sector University of Azad Jammu and Kashmir; is steadfast in its commitment to excellence in higher education and striving to enhance the skills of its graduates. Central to this commitment is the adoption of a curriculum that supplements both academic specialization and professional education. Alongside the University maintains a proactive stance through continuous institutional self-assessment, ensuring adaptability to the dynamic changes in society. Renowned nationally and globally, MUST excels in delivering quality education in fields including Engineering, Natural and Applied Sciences, Social Sciences, Medical Sciences, Information Technology, Business & Management Sciences as well as in Veterinary and Animal Sciences. Recognizing the limitations of state funding, there is a necessity to explore alternative avenues to generate resources for the University's development. To diversify financial streams, Mirpur University is actively providing consultancy services to both public and private sectors and also working to explore new avenues of collaborations and partnerships with Industry.

Mirpur University has emerged as a seat of learning and holistic personality development in short span of 15 years, the recent achievement of World's Ranking has risen MUST to National and International prominence (Ranked in the 4th Group 1001-1200 category out of 1904 Higher Education Institutes Globally by competing with universities of 108 countries as per Times Higher Education (THE) and World University Rankings (WUR) 2024). The faculty members and administrative officers of the MUST are making all out efforts to raise standards of quality in teaching, learning and in assessment methodologies, as the sole purpose of unified actions are to improve the ranking of the University. Since its inception, MUST has been ensuring adherence to HEC standards and guidelines for admission in all undergraduate and postgraduate programs to amplify quality of education.

Annual Report 2022-2023 highlights the significant accomplishments of faculty, administration and students during the academic year 2022-2023. Focused on enhancing research and university collaborations, MUST has established significant partnerships with various national institutions. Robust connections with research institutions and industry partners have been solidified through collaborative projects. In the pursuit of promoting research, innovation and entrepreneurship, Mirpur University has implemented a comprehensive framework during the specified year. MUST Annual Report 2022-2023 provides a detailed account of various research publications, projects, conferences, workshops and seminars conducted as a testament to our commitment to research excellence.

University's 7th Convocation took place on December 21, 2022, total of 2700 passed-out students from Faculty of Engineering and Technology, Faculty of Natural and Applied Sciences, Faculty of Social Sciences and Humanities, Faculty of MUST Business School and Faculty of Health and Medical Sciences including 04 PhD's and 48 Gold Medalist were awarded degrees by President. Notably, all five engineering programs at the University have received accreditation under OBE of the Washington Accord on Level III. Graduates from these programs can now seek



employment in any country among the Washington Accord Signatories without undergoing additional professional exams. The degrees offered by MUST are on par with the standards of modern countries, facilitating seamless employment and mobility for engineers.

Statutory bodies at the University engage in consistent meetings. Meeting of the University Senate was held at Kashmir House Islamabad on 14th September 2023. The 15th Academic Council meeting was conducted on Wednesday, August 03, 2022. The 19th & 20th Syndicate Meetings were held on Friday, August, 05, 2022 and February 28, 2023 in Conference Room of MUST Secretariat Jari Kas. Additionally, 10th, 11th & 12th Meetings of Finance and Planning Committee were also convened during year 2022-2023. 13th Meeting of the Board of Management for Benevolent Fund (BMBF) took place on Friday, October 28, 2022. The 14th & 15th Advanced Studies and Research Board (AS&RB) meetings were held during year 2022-2023. University conducted 4th Meeting of the Representation Committee on Tuesday, September 20, 2022 and Departmental Accounts Committee (DAC) on Wednesday, January 04, 2023. Diverse professional bodies and councils, including the Pakistan Technology Council (NTC), headed by Prof. Dr. Amjad Ali, Convener, accompanied by Prof. Dr. Ayoub Elhai, Expert Civil & Fahd Amin representative, NTC Pakistan paid two-days visit to Mirpur Institute of Technology (MIT) / Mirpur University of Science and Technology (MUST), Mirpur from 10th - 11th October 2022.

During year 2022-2023, Pakistan Engineering Council (PEC), Islamabad held 2-Day OBA based re-accreditation visit of B.S.c Engineering Programs of MUST, Mirpur. The Pakistan Bar Council (PBC) inspection team, led by its Vice Chairman and Secretary undertook a comprehensive inspection of Law Department. National Agriculture Education Accreditation Council (NAEAC), 140th Middle Management Course of WAPDA Administrative Staff College consisting of 35 Officers lead by General Manager /Principal WAPDA Administrative Staff College and delegation of 37th Mid-Career Management Course, National Institute of Management (NIM), Quetta visited Mirpur University of Science and Technology (MUST), Mirpur AJ&K.

Mirpur University organized seminars/ conferences/ lectures/ events and notable achievements during the entire year, some of the major events are: One-Day Educational Seminar on Mutalea Seerat-un-Nabi SAW; first Islamic Calligraphic Exhibition as Islamic calligraphy is the icon of the Muslim heritage, an expression of Muslim's utmost love for Qur'an and Hadith. Commemorated Pakistan Resolution Day with Jubilation & Tides of Loyalty, Observed 33rd Death Anniversary of Ghazi-e-Millat, Captain General Syed Ali Ahmed Shah, Former President of AJ&K, hosted a Webinar to Condemn G-20 Summit in Indian Illegally Occupied Jammu Kashmir (IIOJK), Organized Solidarity Walk to Observe Kashmiri Women's Resistance Day. A webinar on Kashmir Issue under the Prism of Emerging Challenges in New Global Political Reorientations, The Department of English organized a two-day regional workshop for Empowering English Language in collaboration with Allama Iqbal Open University (AIOU), Pakistan Teachers of English to Speakers of Other Languages (PaKTESOL), and the Regional English Language Office (RELO) with support from the Public Diplomacy Section of the US Embassy in Islamabad. A Seminar on Youm-e-Takreem-e-Shahuda Pakistan, a Webinar against G-20 Summit in IIOJK with a title G-20 Summit in IIOJK & India's Nefarious Designs and first Cyber Security Workshop at MUST, Mirpur AJ&K were conducted. Observed Kashmir Solidarity Day, celebrated 76th Independence Day with Great Enthusiasm and Patriotic fervour.

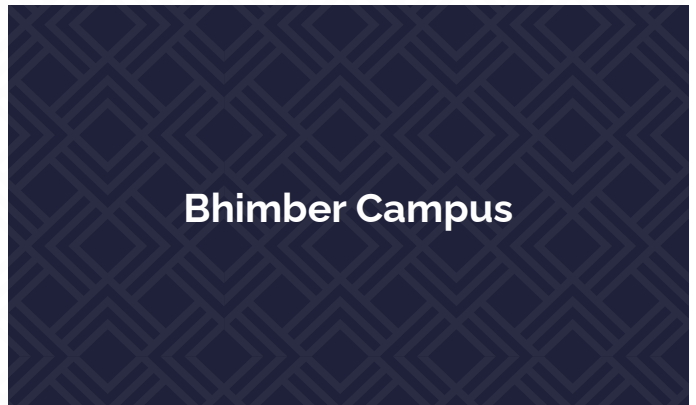
The University has signed MoU with Al-Khidmat Foundation AJ&K on the Local Start-Up Financial Assistance, signed MoU with Professional Education Foundation (PEF) for Undergraduate



Scholarships, MoU with Azad Kashmir Association for the Blind (AKAB) for Academic Exchange Program and Volunteer Work, Faculty of Health and Medical Sciences of Mirpur University & Health Department of AJ&K inked MoU to boost cooperation & research in Allied Health Sciences and Mirpur University inked Memorandum of Understanding with Character Education Foundation (CEF) to boost cooperation in Quranic, Character & Community Education.

The Departments of Natural and Applied Sciences (Department of Mathematics, Chemistry and Statistics) are shifted in Science Block at Jari Kas after Department of Civil Engineering and MIT at the Jari Kas Campus, where academic activities are currently underway. MUST, Mirpur AJ&K secured significant grant of Rs. 24 million by the Higher Education Commission (HEC) Islamabad for the establishment of a state-of-the-art Business Incubation Center at MUST, Mirpur AJ&K. University Administration successfully recovered Rs. 131 Million (13 Crores) from Jubilee Insurance Company Pvt. Ltd (Guarantor of Contracted firm which defaulted, M/S Nishan Engineering Company) which is not only rare but doesn't find it's parallel in history of State of AJ&K. MUST also secured additional grant of 50 million from Higher Education of Pakistan. Ongoing Schemes of Mirpur University are: Project titled "Completion of Faculty and Staff Residences at Jari Kas Campus, Mirpur University of Science & Technology (MUST), Mirpur" costing Rs. 46.216 million. Project titled "Installation of Security/Streetlights & Construction of Search Tower and Playground at Jari Kas Campus Mirpur University of Science & Technology (MUST), Mirpur" costing Rs. 27.293 million.

Office of Research Innovation and Commercialization has received heavy finance from various National and International Funding Agencies during year 2022-2023 : Pakistan Innovation Fund PKR 10,000,000, Qassim University, KSA PKR 2,000,000, Ministry of Education, KSA PKR 4,582,920, Grant by British Council PKR 9,094,800, Innovate UK PKR 2,880,826, P & D Project by HEC PKR 3,652,000, PEC FYP Projects PKR 2,600,000, BIC R&D by HEC PKR 23,810,000 and Ignite NGIRI Grants PKR 1,366,770. In total 45 Research Grants from 40 National, 5 International funding Agencies have contributed PKR 69,987,316. Mirpur University has attained remarkable achievements during the entire year with the support of Chancellor's Office, therefore I would extend sincere gratitude, on behalf of the academic and administrative staff of MUST, Mirpur AJ&K to His Excellency Sultan Mehmood Chaudhry, President of AJ&K/Chancellor MUST, for his invaluable guidance and firm support in ensuring operations of the University.



MISSION

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

VISION

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

MOTTO

Wisdom & Virtue

.....



Aims and OBJECTIVES

For the fulfillment of its mission, MUST aims to achieve the following objectives:-

- To provide education of the highest academic quality, rigorous in its demands and distinctive in its character;
- To promote advancement of society through research, creative activity, scholarly inquiry and the development of new knowledge;
- To promote technological knowledge, science and arts for the benefit of state's economy, serve the citizens through public programmes and provide other public services;
- To achieve academic excellence across a broad range of disciplines through continuous innovation, improvement and expansion;
- To make MUST a center for intellectually demanding and research-oriented education that nurtures independence of mind and critical inquiry, as well as enables students to realize their personal ambitions and contribute to the development of society;
- To create a stimulating and salutary environment for students, faculty and staff, distinguished by unrelenting flinching commitment to high standards and respect for individuals;
- To produce the next generation of researchers, scientists, engineers and academicians who are capable of shaping public and policy discourse besides grappling with prevailing challenges;
- To develop MUST as a 'student-centric university' by establishing student's councils, clubs, societies and support programmes.
- To provide students with technologically enhanced learning required for pursuing their professional goals in the modern era;
- To earn widespread recognition and endorsement for MUST through contributions in research, entrepreneurship and policy making;
- To proactively expand academic and research networking at the national and international levels;
- To attract, reward and retain outstanding faculty from diverse backgrounds by creating for them a welcoming and dynamic professional environment;
- To secure long-term financial sustainability and maintain the level of capital investment necessary to achieve all academic objectives;
- To create conspicuous and credible socio-economic impact by rendering long-term services to the society;
- To meet society's interests, concerns, priorities and aspirations;
- To ensure freedom of thought and expression by promoting respect for the diversity and difference of opinion;
- To promote equality in the university and making it accessible to all segments of the society without discrimination;
- To transform lives for the benefit of society.



Core VALUES

- Academic Excellence and Advancement on Merit;
- Fairness and Equality;
- Pluralism and Diversity;
- Outreach and Community-building;
- Inclusiveness and Openness;
- Academic Freedom and Freedom of Thought;
- Non-Discrimination;
- Ethically Acceptable Standards of Conduct;
- Creativity and Innovation;
- Leadership Development;
- Environmental Sustainability;
- Learner-centric and Personalized Learning;
- Service with Integrity;
- Collegial Environment and Dignity of Labour.



Strategic AIMS

Unwavering Excellence

MUST remains committed to academic excellence through the provision of quality teaching and creating an atmosphere congenial to meticulous research.

Transforming Lives

MUST shall transform the lives of people by ameliorating their knowledge base, skill set and critical thinking abilities.

Research

MUST will focus on genuine research and the utilization of original knowledge to surmount emerging challenges.

Enterprise

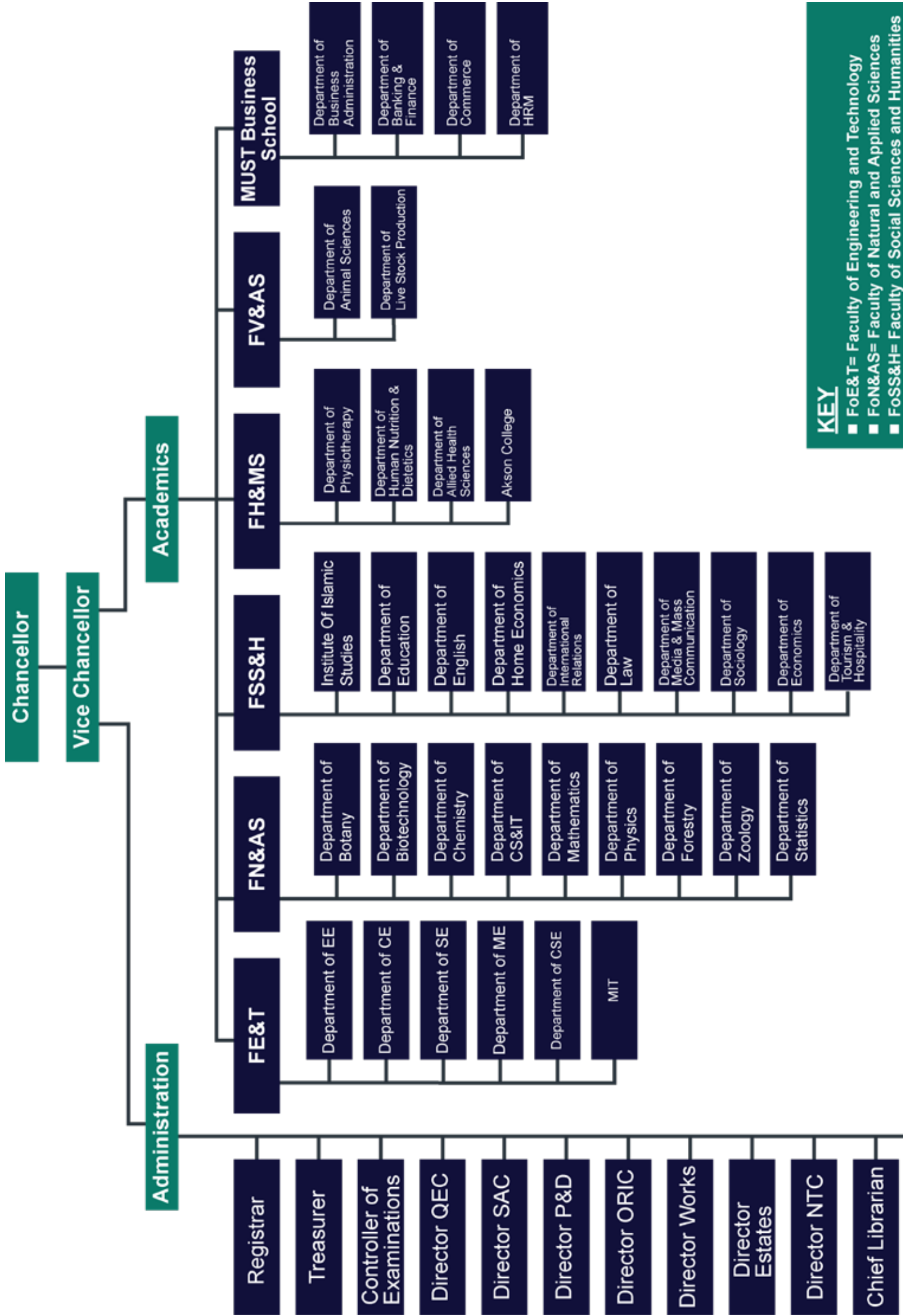
MUST is committed to innovation & enterprise, supporting & promoting novelty, effective knowledge exchange, entrepreneurship, university-industry linkages, and collaborations with local and foreign organizations.

Creating Value

MUST aims at promoting human values of the highest level - particularly tolerance and fraternity, besides acceptance and respect for diverse points of view.

Employment

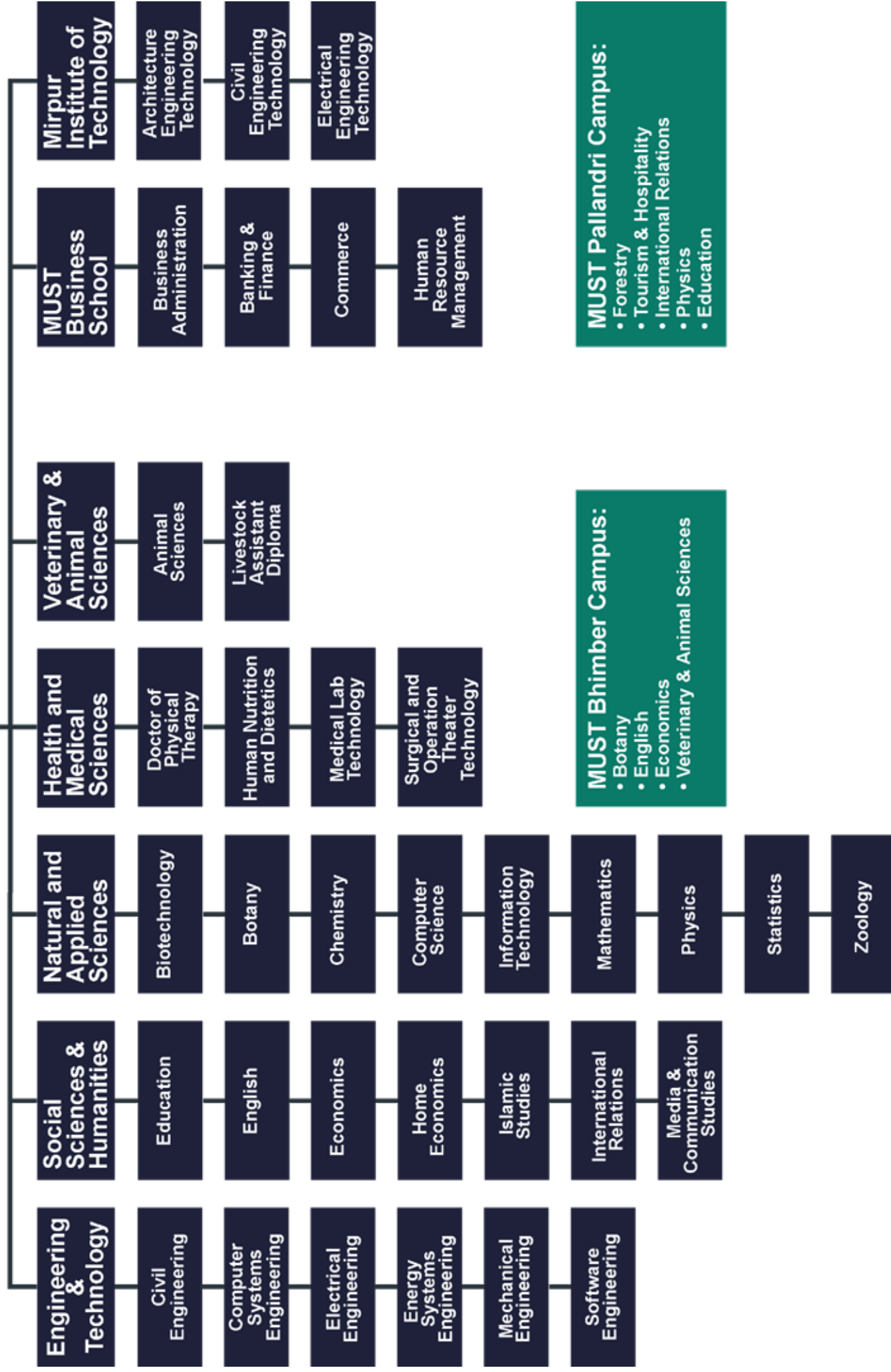
MUST is committed to attracting, rewarding and retaining outstanding persons from diverse backgrounds.



KEY

- FoE&T= Faculty of Engineering and Technology
- FoN&AS= Faculty of Natural and Applied Sciences
- FoSS&H= Faculty of Social Sciences and Humanities

FACULTIES





WISDOM & VIRTUE

"Knowledge enhances the respect
and status of human beings"

SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

- 7th Convocation 2022
- Defence Day Celebration
- Islamic Calligraphic Exhibition
- Vice Chancellors' Forum
- Visit of Delegations
- GITEX Global 2022
- MoU with Alkhidmat Foundation
- Health and Medical Sciences

GITEX Global 2022

Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur AJ&K participating in GITEX Global 2022 (Enter the Next Digital Universe) Technology week in Dubai, UAE 10th - 14th October 2022.

CHAPTER 1



2700 Students conferred degrees on 7th Convocation 2022 of Mirpur University of Science and Technology by President of AJ&K

His Excellency, Sultan Mehmood Chaudhary, President of the State of Azad Jammu and Kashmir /Chancellor Mirpur University of Science and Technology (MUST), Mirpur graced the 7th Convocation 2022 of MUST, Mirpur in the City Campus of the University

on Wednesday, December 21, 2022 at 1045 hours. A total of 2700 passed-out students of Faculty Engineering and Technology, Faculty of Applied and Natural Sciences, Faculty of Social Sciences and Humanities, Faculty of Business School and faculty of Health and





Medical Sciences including 04 PhD's and 48 Gold Medalist were awarded degrees by President.

The grand ceremony of 7th Convocation 2022 was attended Prof. Dr. Abdul Hameed, Vice Chancellor, Women University, Bagh, Dr. Syed Asif Hussain, Secretary Presidential Affairs, former Vice Chancellors MUST (Prof. Dr. Habib-ur-Rehman, SI, Prof. Dr. Muhammad Sarwar Ahmed, Prof. Dr. Maqsood Ahmed

Chaudhary and Prof. Dr. Rehana Asghar, TI) Ch. Muhammad Mansha, former Director General, Mirpur Development and Housing Authority, Mr. Shoukat Ali, Commissioner, Mirpur Division, Dr. Muhammad Khalid Chohan, Deputy Inspector General Police, Lt. Col. Sohail Mehmood, Military Secretary to President, Mirpur, Ch. Amjad Iqbal, Deputy Commissioner, Mirpur, Mr. Yasir Riaz, Additional Deputy Commissioner (General) Mirpur, Mr. Muhammad Javed Malik, District Information Officer, Mirpur.

Professor Dr. Muhammad Younus Javed, Vice Chancellor of MUST, extended a warm welcome and expressed gratitude to His Excellency Sultan Mahmood Chaudhary, who serves as the President of AJ&K and the Chancellor of MUST, for gracing the Convocation of 2022 with his presence. Brigadier Younus congratulated graduating students and their proud parents, especially those who have attained Gold Medals and PhD degrees. While addressing the students he further said every passed out graduate must prove to be an ambassador of this great institution and should contribute in the development of the Country by displaying the same degree of commitment in the future as well. Vice Chancellor MUST while highlighting major achievements of the University said 14933 graduates, 13875 BS, 1041 MS/ MPhils and 17 PhDs in different degree programs have completed studies from MUST, Mirpur AJ&K

Sultan Mahmood Chaudhary, President AJ&K / Chancellor MUST speaking on the occasion of 7th Convocation 2022, urged the graduates to be true to their motherland and serve humanity with devotion and passion. He asked the students to respect and take care of their parents and teachers who helped them to achieve this success. President AJ&K congratulated Brig.(R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor MUST and his entire team for holding the mega event in befitting manner. He commended the towering role of Brigadier Younus Javed, Vice Chancellor MUST for providing extraordinary



leadership to Mirpur University of Science and Technology & representing this institution on international platforms. Sultan Mahmood Chaudhary said Pakistan and Azad Kashmir stands with the people of Jammu and Kashmir and being custodian of base camp for the struggle of independence of Kashmir there is huge responsibility on our shoulders to fight for them in all platforms of the world. Therefore, all passing-out graduates must devote their due share for freedom of oppressed innocent people of occupied Kashmir. He condemned the atrocities and gross human rights violation by the Indian Army in occupied Kashmir and paid homage to the brave people of the Kashmir. Brig (R) Prof Dr Muhammad Younus Javed SI (M), Vice Chancellor MUST, presented University shield to His Excellency Sultan Mahmood Chaudhary, President AJ&K / Chancellor MUST.



21st December, 20









Mirpur University celebrated Defence Day with great jubilation and national unity

Brig.(R)Prof.Dr.MuhammadYounusJavedSI(M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur graced the celebration of 6th September "Youm -e-Difa". Event was organized by Directorate of Student's Affairs with collaboration of Faculty of Health and Medical Sciences and Students Development Circle (SDC) at 10:00 hrs in Mechanical Hall of the City Campus of the University on Tuesday, September 06, 2022. Mirpur University marked 6th September as a National Day to memorialize Pakistan Armed Forces successful defence against India at the battle of 1965 and to honor the soldiers who crushed enemy's evil designs. Brigadier

Younus Javed, Vice Chancellor MUST, while expressing his views on Defense Day very warmly & ardently praised the National Heroes of 1965 war. He said they are truly above all encomium and entire Nation is awed by their glorious sacrifices which they made in way of defending our beloved motherland in Indo-Pakistani War of 1965.

Vice Chancellor further said this day of observation is to salute, pay tribute and homage to all those who have fought valiantly to preserve the sovereignty of the nation. He added that by the grace of Almighty Allah Pakistan's defense is unassailable and Armed Forces of Pakistan are capable of defeating all the aggressions & nefarious designs of the enemy. Students of the Faculty of Medical Sciences & Students Development Circle (SDC) participated in the event, where they delivered speeches, presented national songs and displayed documentaries followed by





poetry. Engr. Shaid Ameen, Provost Hostels / Assistant Professor Electrical Engineering spoke in connection to the Defence Day and highlighted the importance & spirit of the day. Brigadier Younus Javed, Vice Chancellor MUST handed over certificates to the organizers and lauded the efforts

of Dr. Muhammad Altaf, Director Student's Affairs, Faculty of Medical Sciences, Students Development Circle (SDC), Deputy Director, Admin Officer and Staff of Directorate of Student's Affairs for marvelously organizing the Event.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

MUST, Mirpur Inaugurated First Islamic Calligraphic Exhibition

Islamic calligraphy is the icon of the Muslim heritage, an expression of Muslim's utmost love for Qur'an and Hadith: Brigadier Younus Javed Brig (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur inaugurated first Islamic Calligraphic Exhibition, organised by 7th Semester Students (Art & Design discipline) of the Department of Home Economics MUST, Mirpur AJ&K to reflect their Research Work with the theme "Nature inspired Art" in the Media of Calligraphy on Thursday, February 16, 2023 in the corridors of Mechanical Engineering Department, City Campus of Mirpur University.

Speaking on the occasion Brigadier Younus Javed said that the growing trend of the young generation towards Islamic calligraphy is commendable, there is a dire need to

preserve this magnificent art in contemporary era & it must be projected at national level. He admired the skill & devotion of the student for Islamic calligraphy and culture. Vice Chancellor congratulated Ms. Nasreen Tariq, Coordinator, Department of Home Economics, Ms. Amina Gul, Lecturer, Arts and Design and efforts of faculty of Department of Home Economics MUST, Mirpur AJ&K for organizing the Islamic Calligraphy Exhibition. Prof. Dr. Muhammad Aslam, Dean, Faculty of Natural and Applied, Dr. Khuram Pervez Amber, Chairman Department of Mechanical Engineering, Dr. Muhammad Altaf, Director Student's Affairs, Ms. Nasreen Tariq, Coordinator Department of Home Economics, Mr. Waqar Saleem, Director Physical Education, faculty members and large number of students attended the event. The exhibition will remain open until February 17th 2023.









5th Vice Chancellors' Forum 2023



Vice Chancellors' Forum 2023 took place in Islamabad from 19th – 20th March 2023 on the theme "Towards Disruptive Technology in a Globalised World". Higher Education Commission (HEC) Pakistan, Ministry of Federal Education and Professional Training, COMSATS University Islamabad (CUI), Islamic World Educational, and Scientific and Cultural Organization (ICESCO), and British Council Pakistan are organising the Event. Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K attended two-day conference in Islamabad. It is worth mentioning that near 250 Vice Chancellors from all across the country including 40 foreign guests from 20 OIC countries were part of the Vice Chancellors' Forum 2023.

President of the Islamic Republic of Pakistan, H.E. Dr. Arif Alvi addressed the participants through Video link, Federal Minister for Education, Rana Tanveer Hussain, Prof. Dr. Mukhtar Ahmed, Chairman Higher Education Commission (HEC) Islamabad, H.E. Dr. Salim M. Al-Malik, Director General of ICESCO, H.E. Ambassador Mustafa Turker Ari, Advisor to the President Council of Higher Education Turkiye, H.E. Andrew DalGLISH, Higher Commissioner of UK to Pakistan, Mr. Amir Ramzan, Country Director British Council Pakistan, Prof. Dr. S Sohail Naqvi, CEO Knowledge Streams and various other notables from country

and abroad are participating in the Vice Chancellors' Forum 2023.





USAID's Higher Education System Strengthening Activity (HESSA) delegation visited Brigadier Younus Javed, VC MUST

Dr. Aslam Chaudhary, Professor of Economics at University of Utah, USA - Chief of Party of the Higher Education System Strengthening Activity (HESSA) - a United States Agency for International Development (USAID) along with HESSA Officials called on Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur at MUST Secretariat Jari Khas on Thursday, August, 25, 2022 at 11:30 hrs. Dr. Aslam Chaudhry, HESSA Chief Party, briefed honorable Vice Chancellor MUST on framework of USAID's

Higher Education System Strengthening Activity in Pakistan.

Brigadier Younus Javed thanked HESSA delegation for visiting and showing interest to provide technical assistance to Mirpur University, which will generally contribute in the Higher Education ecosystem of AJ&K. Vice Chancellor further said that MUST believes in positive social interaction and exchange of technical assistance to boost existing academic programs of the Mirpur University. The delegation was also briefed on academic and research landscape of Mirpur University's, International Ranking and various other achievements on National & International Canvas. Delegation acknowledged tangible accomplishments of MUST & vowed to work in close collusion and cooperation.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Brigadier Younus Javed, VC MUST participated in GITEX Global 2022 at Dubai World Trade Center representing country's top-notch scholars



Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur AJ&K took part in GITEX Global 2022 (Enter the Next Digital Universe) Technology week in Dubai, UAE 10th - 14th October 2022. Prof. Dr. Mukhtar Ahmed, Chairman, Higher Education Commission (HEC), Islamabad, Prof. Dr. Qasir Abbas, Vice Chancellor, University of Sargodha, Prof. Dr. Zia Ul Qayyum, VC Allama Iqbal Open University (AIU), Prof. Dr. Attaullah Shah, Vice Chancellor Karakoram University, Prof. Dr. Jamil Ahmed, Vice Chancellor of Hazara University. Sheikh Maktoum Bin Mohammed bin Rashid Al Maktoum, Deputy Ruler of Dubai /Deputy

Prime Minister/ Minister of Finance of United Arab Emirates (UAE) inaugurated GITEX Global 2022 on Monday, October 10, 2022 at Dubai World Trade Center. His Excellency Sheikh Maktoum Bin Mohammed welcomed International delegates and technology companies to Gitex Global 2022. While addressing the world's largest enterprise and government technology event Ruler of Dubai said, record global participation in the 42nd edition of the event reflects Dubai's profile as a hub for innovation, knowledge sharing, enterprise and networking in the international technology industry, a position it has built through focused investments over the last few decades.





Mirpur University of Science and Technology MUST, Mirpur signed MoU with Alkhidmat Foundation AJ&K on the Local Start-Up Financial Assistance

An Memorandum of Understanding (MoU) was signed by the Brig (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur AJ&K and Dr. Abdur Rehman, Child Specialist /President Alkhidmat Foundation Bhimber AJ&K to formalize and enhance

the relationship between Mirpur University and Alkhidmat Foundation. Recognizing that such cooperation shall promote economic cooperation and support the friendly relationship between both parties.





Orientation Ceremony at Faculty of Health and Medical Sciences



The Orientation Ceremony was organized at the Faculty of Health & Medical Sciences, Mirpur University of Science & Technology (MUST), on Nov 21, 2023 to welcome Fall 2022 Freshers. The ceremony was graced by Worthy Vice Chancellor MUST, Brig (R) Prof. Dr. Muhammad Younas Javed SI (M), Prof. Dr. Anwar Khtiab, Dean Faculty of Health and Medical Sciences, Prof. Dr. Khizar ul Haq, Registrar MUST, Dr. Azhar Hussain, Director Quality Enhancement Cell, Dr. Muhammad Altaf, Director Student's Affairs and Dr. Tasadduq, Chairman Statistics.

The newcomers were cordially greeted with the presentation of flowers and welcome cards by their upperclassmen. In his address to the new generation, the esteemed Vice-

Chancellor emphasized that dedicating one's efforts to the pursuit of academic excellence is the singular path towards a nation's progress and advancement. The Registrar also extended a warm welcome to all incoming students and pledged unwavering support to those within the Faculty of Health. Dean Professor Dr. Anwar Khtiab expressed his appreciation to all esteemed dignitaries in attendance, with particular acknowledgment of the distinguished Vice Chancellor and respected Registrar for sparing valuable time from their demanding schedules. Special recognition was given to the organizers for their exceptional preparations and effective coordination..







Faculty of Health and Medical Sciences of MUST, Mirpur AJ&K Organized Annual Event

Brigadier Younus Javed lauded the monumental efforts of Faculty of Health and Medical Sciences of Mirpur University for achieving towering growth & prominence in Health Sector.

Faculty of Health and Medical Sciences of Mirpur University of Science and Technology MUST, Mirpur AJ&K organised Annual Event at Jabeer Marquee. Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor MUST, Mirpur participated in the event as chief guest, it was also attended by senior medical officials of Mirpur and Bhimber District.

Speaking on the occasion Brigadier Younus Javed commended Prof. Dr. Anwar Khitab, Faculty of Health and Medical Sciences, Dr. Mian Muhammad Zeeshan Javed, Chairman, Department of Pharmacy / Department of Physical Therapy and and Dr. Sumaira Irum Khan, Coordinator, Department of Human Nutrition and Dietetics/Department of Allied and Health Sciences all Faculty Members and Administrative Staff for their collective efforts & initiatives taken for the development of the faculty. Honourable Vice Chancellor also thanked the Major General Zaheer Akhtar, Secretary Health Azad Government of the State of Jammu and Kashmir and Senior Health Officials of Mirpur Division.

At the culmination of the event Brigadier

Younus Javed awarded shields, performance awards to position holders /certificates to students who actively participated in event and awarded Rs. 10,000/- to Ayesha Arooj (Doctor of Physical Therapy 3rd Semester) for presenting Kalam of Main Muhammad Bukhash.

Honourable Vice Chancellor MUST also announced Rs.100,000/- as an appreciation for Prof. Dr. Anwar Khitab, Dean Faculty of Health and Medical Sciences, Dr. Main Muhammad Zeeshan Javed, Chairman, Department of Pharmacy / Department of Physical Therapy and Dr. Sumaira Irum Khan, Coordinator, Department of Human Nutrition and Dietetics /Department of Allied & Health Sciences.

Prof. Dr. Faisal Bashir (Principal Mohtarma Benazir Bhutto Shaheed Medical College Mirpur), Dr. Amir Aziz, (Medical Superintendent, DHQ Teaching Hospital, Mirpur), Dr. Naeem ul Zaman (District Health Officer Bhimber), Dr. Mehboob Kashmiri (Medical Superintendent, New City Teaching Hospital, Mirpur), Dr. Zafar Iqbal (Deputy Director, Drug Testing Laboratory, Mirpur), Dr. Zahida Qasim (Associate Professor, Mohtarma Benazir Bhutto Shaheed Medical College Mirpur), Dr. Zaheer Iqbal (Deputy Drug Controller, Mirpur), Sabir Hussain Shah (President Chamber of Commerce, Mirpur), Dr. Zia ul Mahmood (Hospital Pharmacist, DHQ Teaching Hospital, Mirpur), Dr. Haseeb Ullah (Hospital Pharmacist,









DHQ Hospital, Bhimber), Dr. Kashif Sohail (Akson College of Pharmacy, Mirpur), Prof. Dr. Khizer ul Haq, Registrar MUST, Prof. Dr. Hasan Mujtaba Jafri, Dean Faculty of Engineering and Technology, Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities, Prof. Dr. Muhammad Aslam, Dean Faculty of Natural and Applied Sciences, Prof. Dr. Zafar

Iqbal, Director MUST Business School, Dr. Muhammad Altaf, Director Student's Affairs, Mr. Daud Ali Siddique, Senior Private Secretary to the Vice Chancellor, Faculty Members, Administrative Staff and large number of students attended the Annual Programme.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Mirpur University holds Walk-in-Interview for Academic & Administrative positions

Mirpur University of Science and Technology (MUST), Mirpur conducted Walk-in-Interviews under chairmanship of Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor, Mirpur University of Science and Technology MUST, Mirpur AJ&K against the advertised positions on 11th and 12th July 2023 in the Electrical Conference Room of MUST City Campus. Interviews were held against following posts:-
Lecturers (Architecture Engineering and International Relations), Lab Technologists, Lab Assistants, Generator Operators, Office Attendants and Security Guards.

Prof. Dr. Khizer ul Haq, Registrar MUST / Secretary Selection Committee, Prof. Dr. Syed Hassan Mujtaba Jafri, Dean Faculty of Engineering and Technology, Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities, Dr. Azhar Hussain, Director QEC, Major (R) Muhammed Jahangir, Chief Security Officer, Dr. Asghar Ali, Director, Institute of Islamic Studies, External Examiners, Chairpersons and Directors of the concerned departments were amongst the panelists. Mr. Ghafoor Dar, Additional Registrar and Mr. Muhammad Naveed, Deputy Registrar, Mr. Thair Mehmood, Senior Data Entry Operator and Mr. Javed Iqbal, Junior Clerk organized the proceeding of Walk-in-Interview.





Vice Chairman & Secretary Pakistan Bar Council (PBC) visited Law Department of Mirpur University to ensure Compliance with PBC Education Rules 2015

The Pakistan Bar Council (PBC) inspection team, led by Vice Chairman Mr. Haroon ur Rashid and Secretary Mr. Gulzar Ahmed, undertook a comprehensive inspection visit to the Mirpur University of Science and Technology (MUST), Mirpur AJ&K. The primary objective of this visit was to assess the university's compliance with the "PBC Legal Education Rules, 2015" and to ensure the quality of legal education provided to students.

During their visit, the inspection team meticulously examined various aspects of the institution, including infrastructure, physical facilities, the Law Library, Computer Lab, classrooms, and the Law Faculty, both

permanent and visiting. This scrutiny is essential to maintain high standards of legal education in accordance with the regulations set forth by the Pakistan Bar Council.

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor of Mirpur University of Science and Technology (MUST), Mirpur AJ&K, Prof. Dr. Khizerul Haq, Registrar of MUST, Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities, Muhammad Younus Tahir, Former Justice Supreme Court, Chairman of the Department of Law, and faculty members warmly welcomed the inspection team. The Department of Law provided all necessary information during the assessment. The visit signifies the commitment of both Mirpur University of Science and Technology and the Pakistan Bar Council to maintain the highest standards in legal education and uphold the integrity of the legal profession. At the culmination of the visit, Brigadier Younus Javed presented shields to PBC officials.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



The National Technology Council (NTC) Pakistan visited Mirpur University for accreditation of Undergraduate Technology programs

The delegation of National Technology Council (NTC) Pakistan headed by Prof. Dr. Amjad Ali, Convenor/Expert Electrical accompanied by Prof. Dr. Ayoub Elhai, Expert Civil and Fahd Amin representative, NTC Pakistan paid two-days visit to Mirpur Institute of Technology (MIT) / Mirpur University of Science and Technology (MUST), Mirpur from 10th - 11th October 2022 for the OBE based accreditation of Undergraduate Electrical Engineering Technology and Civil Engineering Technology programs.



Mirpur University signed MoU with Professional Education Foundation (PEF) for Undergraduate Scholarships

Students Assistance Centre (SAC) of Mirpur University of Science and Technology (MUST), Mirpur signed an MoU with Professional Education Foundation (PEF) in the Conference Room of MUST Secretariat Jari Khas on Wednesday, October 12, 2022 at 11:30 hrs. Dr. Moshin Zafar, Director Students Assistance Centre of Mirpur University and Maarab Bashir, Manager Student's Affairs, Professional Education Foundation (PEF) signed the MoU in presence of Prof. Dr. Anwar Khtiab, Acting Vice Chancellor, Mirpur University of Science and Technology MUST, Mirpur, Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities.

Professional Education Foundation (PEF) is a registered Trust for supporting deserving students for studies in the field of Engineering, Medical, Agriculture, Management Sciences, and other disciplines. Trust is having its place of business at 1st Commercial Lane, Phase 6, DHA, Karachi. It has 2300 Alumni Students since its inception in 2009 and 2200 active students in over the Pakistan, who are getting education under their financial support in 41 Universities. In financial year 2021-22 PEF has reimbursed 140 million in all across the country.





Brigadier Younus Javed Presided 20th Syndicate Meeting of MUST, Mirpur AJ&K

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur chaired 20th Meeting of University Syndicate on Tuesday, February 28, 2023 at 1100 hrs in Conference Room of MUST Secretariat Jarikas.

Brigadier Younus Javed, Vice Chancellor MUST, extended warm welcome to all members of the University Syndicate. Speaking on the occasion he said timely holding of statutory bodies's meetings pave ways for resolving various academic and administrative matters of the University. Acting on the decisions of the statutory bodies will surely improve the functioning of the University and will lead MUST, Mirpur to fall among best emerging institutions of higher education in the country.

Prof. Dr. Khazir Ul Haq Registrar MUST / Secretary Syndicate tabled Minutes of 19th Meeting of the Syndicate held on August, 05, 2022 & it's implementation report. Observations on the Minutes of 19th Syndicate Meeting were discussed in detail by the members of Syndicate.

Registrar MUST/Secretary Syndicate presented Agenda Items of 20th Meeting of the Syndicate for discussion, approval and endorsement of the Syndicate. Appointment of Chairpersons/Coordinators, Minutes of 10th Finance and Planning Committee (F&PC) Meeting, Study Leave/Extension in Study Leave, Adoption of GoAJ&K Finance Department circular regarding Minimum Wages for Contingent Paid Staff @ 25000 per Month, Reconstitution of the Appeal Committee, Draft Policies/SOPs to Meet Diverse Sustainable Development Goals (SDGs), Minutes of the various Administrative Committees and various other nature of Administrative matters of the University were included in the agenda items of 20th Syndicate Meeting of the University.



Called on President of the State of Azad Jammu & Kashmir /Chancellor MUST & University of Kotli

Brig. (R) Prof. Dr. Muhammad Younus Javed SI(M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur called on Barrister Sultan Mahmood Chaudhary, President of the State of Azad Jammu & Kashmir /Chancellor MUST and University of Kotli on Wednesday, November 30, 2022 at President Secretariat, Kashmir House Islamabad.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

Meeting of University Senate at Kashmir House Islamabad





Mirpur University

Wednesday, March 15, 2023

Hafeez Bin Mustafa

Brigadier Younus Javed's (VC MUST, Mirpur AJ&K) participation in the Strategic Dialogue Meeting at Asia Campus of the University of Uath, Republic of Korea (ROK), representing country's top-notch scholars; is a milestone that exalts MUST, Mirpur to the International Arena

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur AJ&K is taking part in Strategic Dialogue Meeting lead by Higher Education System Strengthening Activity (HESSA) project, funded by United States Agency for International Development (USAID), in the Asia Campus of the University of Uath in Songdo, Incheon, Republic of Korea (South Korea) from March 13th to 17th 2023.

Higher Education System Strengthening Activity (HESSA) backed Strategic Dialogue Meeting is being participated by Sixteen (16) Vice Chancellors/ Rectors of HESSA partner Universities. The Strategic Dialogue Meeting includes numerous areas of focus as part of comprehensive planning to ensure the very growth of the HESSA partner Universities, emphasizes on customization of universities specific plans, building linkages with the private sector, technology venture & commercialization, research management, academic governance and mobilizing financial resources.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Brigadier Younus Javed visits site of MUST Bhimber Campus, covering an area of 1564 kanals

Brig. (R) Prof. Dr. Muhammad Younus Javed SI(M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur had a rigorous & comprehensive visit of Bhimber new Camps site on Wednesday, September 14, 2022 at 13:00 hrs. Brigadier Younus Javed, Vice Chancellor MUST was accompanied by senior administrative officials of Mirpur University which includes Prof. Dr. Khazir Ul Haq Registrar MUST, Prof. Dr. Muhammad khalique, Treasurer MUST, Prof. Dr. Muhammad Ishtiq, Director AS&RB, Dr. Muhammad Ajaib, Coordinator Bhimber Campus, Dr. Abid Hussain, Coordinator, Veterinary and Animal Sciences and Mr. Daud Ali Siddiqui, SPS to Vice chancellor. To acquaint honourable Vice Chancellor MUST with the allocated land & it's physical features spreading on 1564 kanals , he was thoroughly briefed with help of site map and area visit by Mr. Shouket Mehmood, Director Estate Management, Mr. Muhammad Ayub, Admin Officer and Mr. Zahid Mehmood, Surveyor Department of Civil Engineering. Brigadier Younus Javed stayed on site for around an hour, walked around hill side to inspect topographical features and terrain configuration which varies from high to lowland areas. Speaking after a briefing over the site, the Vice Chancellor said this huge land of 1564 Kanals carries immense importance for the growth, expansion and future of the Mirpur University and especially for the people of adjoining areas. Promoted faculty members of MUST Bhimber Campus, Prof. Dr. Muhammad Ishtiaq, Director ASRB, Dr. Saim Hashim, Coordinator Department of Economics, Dr. Abid Hussain, Coordinator Department of Veterinary and Animal Sciences, Dr. Nafeesa Zahid, Associate Profess, Department of Botany, Dr. Neelam Rasheed, Assistant Professor, Department of Botany and Dr. Sehrish Shafi, Coordinator Department of English invited honourable

Vice Chancellor & senior administrative officers to a sumptuous feast arranged at acme of Jandi Chontra, tourist attractions.





Mirpur University
Saturday, March 18, 2023
Hafeez Bin Mustafa

Under the able guidance and skillful stewardship of Brigadier Younus Javed, Administration of MUST, Mirpur AJ&K carved out historical course by successfully recovering Rs. 130 Million (13 Crores) from Jubilee Insurance Company Pvt. Ltd (Guarantor of Contracted firm which defaulted, M/S Nishan Engineering Company); such irrefutable legal triumph does not find such like traces in accounts of the entire State of AJ&K Departments and Educational Institutions

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur AJ&K and his top Administration have always not only shown formidable audacity and resolve to address the protracted issues but have always stood firm and tall, despite being put through vicious propagandas by odds from time to time. Rather university's top notch led by Vice Chancellor has perpetually taken such like challenges as opportunity to rise high. Tireless commitment is nurtured by the aim to achieve academic excellence and guarding every single asset/ interest of MUST, Mirpur AJ&K. Same has been practically manifested by the recovery of a huge amount of Rs. 130 million from a guarantor which is not only rare but doesn't find it's parallel in history of State of AJ&K.

Up-gradation of University College of Engineering and Technology (UCET) into Mirpur University of Science and Technology (MUST), Mirpur is a Public Sector Development Programme (PSDP) funded project and was approved in 2011 with capital cost of Rs. 1890.024 millions. The Civil Works of the project were awarded to M/S Nishan Engineering Company (Pvt.) Ltd. As mobilization advance, 10% of the Civil Works cost was released to M/S Nishan Engineering Company by the then University Management and Jubilee Insurance Company was guarantor of the M/S Nishan Engineering Company. However, the contracted firm (M/S Nishan Engineering) defaulted and contract was terminated in May 2016. Therefore, recovery of mobilization advance Rs. 131.227 million was due since May 2016.

Brigadier Younus Javed, Vice Chancellor MUST took initiative soon after assumption of the Office of the Vice Chancellor (Mirpur University) and vested the heavy responsibility to Prof. Dr Khizer Ul Haq, Registrar MUST, Mirpur for the recovering of a huge sum of Rs. 13 Crores from Jubilee Insurance Company (Pvt) Ltd, who was assisted by Project Director Syed Zishan Ashiq. Prof. Dr. Khizer ul Haq, Registrar MUST worked beyond the call of the duty where he in a short span of one year successfully won three (03) cases (in Lahore High Court & Commercial Court) with the help of a young lawyer Faizan Saleem Advocate, who fought with full vigour and remained committed for recovery of Rs. 13 Crores for educational institution, with which future of thousands of the students is attached.

Brigadier Younus Javed commended and acclaimed Prof. Dr. Khizer ul Haq, Registrar MUST, Mirpur and Project Director Syed Zishan Ashiq on this tremendous achievement (Rs.130 million credited into the University treasury) which is not less than a miracle.

VC MUST, Mirpur AJ&K Chaired 12th Meeting of Finance and Planning Committee for FY 2023-24

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur AJ&K presided over the 12th Meeting of the Finance and Planning Committee to discuss budget of Mirpur University. Financial experts from Higher Education Commission HEC, Islamabad and Government of AJ&K attended the budget meeting for financial year 2023-24 on Monday, July 24, 2023 at 1100 hrs in the Conference Room of the MUST Secretariat Jari Khas.

Brigadier Younus Javed, Vice Chancellor MUST, Mirpur AJ&K welcomed the participants of the 12th Meeting and appreciated their

positive role in each meeting of Finance and Planning, which contributes a lot in making budget of the University more rational & also help to create financial stability by incorporating the proposal suggested by the honorable members.

Prof. Dr. Muhammad khalique Treasurer MUST / Secretary Finance and Planning Committee presented the agenda items of the 12th meeting of Finance and Planning. The house deliberated over the various Agenda Items of the 12th Meeting of the Finance and Planning Committee. The representatives of Higher Education Commission & Government of AJ&K praised the efforts & step taken by Brigadier Younus Javed, VC MUST, Mirpur AJ&K and his entire financial team for achieving high performance in financial Management.





Strengthening Activity (HESSA) organised Two-Day Training Workshop for partner Universities, to kickstart strategic planning of the campuses



USAID's Higher Education System To hold kick-start strategic planning for the 16 partner Universities, Higher Education Strengthening System Activity (HESSA) conducted a Workshop at Marriott Islamabad from 26th to 27th October 2023. Prof. Dr. Khizer ul Haq, Registrar MUST, Prof. Dr. Muhammad Khalique, Chief Finance Officer and Prof. Dr. Naeem Iqbal Ratyal, Dean Faculty of Engineering and Technology participated in subject workshop.

This initiative by HESSA will support partner universities to adopt this practice by engaging with experienced planning experts with a successful track record of working

with numerous American universities. The event was led by the University of Utah. Senior administrators and faculty members from sixteen (16) HESSA partner universities participated, including; Fatima Jinnah Women University, UET Lahore, NUST, IBA Karachi, Lahore College for Women University, Mirpur University of Science and Technology, MUST, Mirpur AJ&K, University of Peshawar, Sardar Bahadur Khan Women's University, Karakoram International University, Women University Swabi, Abdul Wali Khan University Mardan, Peoples University of Medical Sciences, BUITEMS Quetta, Sindh Agriculture University, NUTECH and University of Swat.

Treasurer Office & Youth Development Centre (YDC), MUST, Mirpur AJ&K in collaboration with the Department of Inland Revenue AJ&K organised Two-Day Training Workshop on "Compliance of Tax Rules" to promote financial literacy and to empower individuals with taxation skills

Chaudhary Muhammed Mehmood Alam,
Deputy Commissioner Inland Revenue

participated as a Keynote speaker in a Two-Day Training Workshop on "Compliance of Tax Rules" hosted by Prof. Dr. Muhammad Khalique, Chief Financial Officer of Mirpur University and Dr. Moshin Zafar, In Charge Youth Development Centre in Mechanical Engineering Hall of Mirpur University of Science and Technology MUST, Mirpur AJ&K on 18th -19th October 2023.

Keynote Speaker Chaudhary Muhammed Mehmood Alam, Deputy Commissioner Inland Revenue in opening remarks appreciated the vision and efforts of Mirpur University's Administration for holding Training Workshops

on Compliance of Tax Rules to educate employees with tax laws, regulations and planning strategies. Such initiatives of Mirpur University of Science and Technology will immensely contribute towards the growth and development of the State and Society, he added. Deputy Commissioner delivered a detailed & informative talk on the subject & respond to the questions of the participants of the training workshop.

In welcome note Dr. Moshin Zafar said since the inception of Youth Development Centre it has organised multiple awareness sessions & seminars, today's event is also funded by the YDC and Centre will always be there to contribute towards the capacity building of Students, Faculty & Staff. Introductory session was conducted by Mr. Abdul Karim, District

Accounts Officer/ Audit Officer MUST, Mirpur in his talk introduced the purpose & theme of the Two Days Training Workshop.

Prof. Dr. Muhammad Khalique, Chief Finance Officer on behalf of Brigadier Younus Javed, Vice Chancellor MUST expressed heartfelt appreciation and gratitude to Chaudhary Muhammed Mehmood Alam, Deputy Commissioner Inland Revenue & the Department of Inland Revenue, AJ&K for enlightening lecture on Compliance of Tax Rules and provided valuable insights into the intricacies of tax compliance. Shields and certificates were presented to honorable Keynote speaker, conducting officers and staff of Treasurer Office.





SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Mirpur University
Friday, 13th October 2023
Hafeez Bin Mustafa

In an effort to pay reverential honours to the glorious past, Brigadier Younus Javed paid his utmost respect and homage to his Mentors /Teachers during their visit to MUST Secretariat Jari Kas

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K along with Principal Staff Officers extended a heartfelt reception to his great teachers, Professor Muhammad Pervez Mir, Professor Rashid Ahmed Qasmi and Professor Khurshid Mirza who paid kind visit to Vice Chancellor Secretariat Jari Kas.

Brigadier Younus Javed, while expressing his feelings & deep attachment with his former teachers, said that he stands grateful to his mentors for bestowing honour to him by their visit which is a testament to the enduring impact of their guidance and mentorship. He further said his teachers have played an instrumental role in his journey to attain high positions in life for which he will be eternally grateful and forever indebted to them for their contributions to his personal and professional growth. Prof. Dr. Khizer ul Haq, Registrar MUST, Prof. Dr. Muhammad Khalique, Chief Finance Officer, Mr. Kamran Hameed, Controller of Examinations & Mr. Kamran Pervez Mir were part of interactive session.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Mirpur University
Monday, 25th September 2023
Hafeez Bin Mustafa

"Kashmir International Seminar" hosted by MUST, Mirpur AJ&K was invigorated by participation of British Parliamentarians and Founder Chairman of Jammu Kashmir Self-Determination Movement International (JKSDMI) who not only drew attention towards Indian wilful sanguinary campaign against the subjugated masses of IIOJK but also exposed the ferocious & fascist face of India which is drenched in the blood of innocent Kashmiris

Mirpur University of Science and Technology MUST, Mirpur AJ&K organised an event titled : *"Kashmir International Seminar"* having special participation of British Parliamentarians & Jammu Kashmir Self-Determination Movement International (JKSDMI), presided by Brig (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor Mirpur University on Monday, September 25, 2023 at City Campus of MUST, Mirpur AJ&K. Participants of the Seminar expressed deep sympathy with the people of Jammu and Kashmir, paid huge tribute for great sacrifices & firm determination to the cause. They said unbridled Indian atrocities in Kashmir, evasion of dialogue & revocation of special status of Jammu and Kashmir (the most far reaching political move on the Indian Occupied Kashmir in nearly seven decades) have made Kashmir issue a worst example of state violence and occupation.

Brigadier Younus Javed, Vice Chancellor Mirpur University while addressing the participants outlined the current situation in Kashmir, highlighted the way forward and stressed the need for young generation to be more prepared in their responses. VC MUST thanked the honorable guests from abroad and community leader Raja Najabat Hussain for paying visit at Mirpur University & especially for their sincere efforts to the cause of Kashmir. He also appreciated Dr. Sehrish Shafi, Coordinator Department of English / Host of the Seminar, Dr. Muhammad Altaf, Director Student's Affairs and his team members for displaying thorough professionalism in organising the International Seminar on Kashmir.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

MUST, Mirpur celebrated 75th Independence Day with vehemence and enthusiasm.



Mirpur University of Science and Technology (MUST), Mirpur celebrated the Country's 75th year of Independence with traditional zeal and fervour, to promote patriotism and National unity. The flag hoisting ceremony held at 08:55 hrs. in the City Campus of the University on Sunday, August 14th, 2022. Dr. Muhammad Aziz Chaudhary, Dean Faculty of Natural and Applied Sciences, Dr. Muhammad Khalique, Treasurer MUST and Dr. Zafar Iqbal, Director MUST Business School hoisted National, State and University flags, followed by the National and State Anthems.

On the occasion, Dr. Khuram Pervez,

Chairpersons Mechanical Engineering along with his Students presented Pakistan Patriotic Songs. Mr. Kamran Hameed, Controller of Examinations MUST, Lieutenant Colonel (R) Muhammad Usman, Chief Security Officer, Dr. Muhammad Altaf, Director Student's Affairs, Dr. Naseem Akhtar, Director Placement Bureau, Dr. Moshin Zafar, Director SAC, Mr. Imtiaz Ahmed Butt, Director NTC, Mr. Muhammad Abid, Director Sports, Chairpersons, Coordinators, Administrative Staff and University Students participated in the event to mark 75th Independence Day.





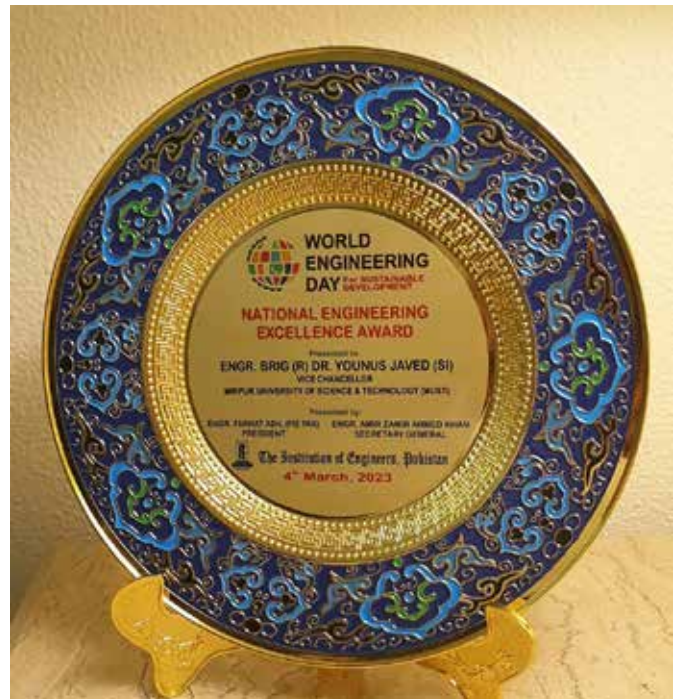
Former of President of Mirpur Chamber of Commerce and Industry/ Member Board of Directors AJK TEVTA visited MUST Secretariat

Mr. Faisal Manzoor, former President of Mirpur Chamber of Commerce and Industry/ Member Board of Directors AJK TEVTA and Mr. Shakeel Ahmed, Principal Government Technical College New City Mirpur were called on Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur on Friday, November 25, 2022 at 12:00 hrs at MUST Secretariat Jari Khas. Prof. Dr. Muhammad khalique, Treasurer MUST & Mr. Daud Ali Siddique, SPS to Vice Chancellor MUST were also part of the interactive session.



VC MUST, Mirpur AJ&K Received National Engineering Excellence Award on Eve of World Engineering Day 2023

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K received "National Engineering Excellence Award" from Honourable Federal Minister for Planning Development & Special Initiatives (PD&SI), Engr. Ahsan Iqbal and Honourable Governor of the Punjab, Engr. Muhammad Baligh ur Rehman on the occasion of World Engineering Day Ceremony organised by The Institution of Engineers, Pakistan on Saturday, March 04, 2023 at Expo Center, Lahore.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

Registrar Office, Bids Splendid Farewell to Mr. Tariq Mehmood Mirza, Deputy Registrar MUST

Brig. (R) Prof. Dr. Muhammad Younus Javed SI(M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur graced the farewell ceremony organized by the Administrative Staff of the office of the Registrar to pay tribute to Tariq Mehmood Mirza, Deputy Registrar on his retirement. Brigadier Younus Javed, Vice Chancellor

MUST & Prof. Dr. Khizer ul Haq, Registrar MUST congratulated Mirza Tariq Mehmood on successful completion of his service and wished him all wonderful things, comfort and great health in post-retirement time. Additional Registrar, Deputy Registrar (Admin/Meeting) Assistant Registrars (Admin /General), Private Secretary, Office Assistants, Senior Data Entry Operator & DEOs, Clerks, Machine Operator, Office Attendants also felicitated Tariq Mehmood Mirza





MUST, Mirpur celebrated 76th Independence Day with Great Enthusiasm and Patriotic Fervour



Prof. Dr. Khizer ul Haq, Registrar, Mirpur University of Science and Technology (MUST), Mirpur AJ&K graced the celebrations of the Country's 76th Independence Day as Chief Guest. The flag hoisting ceremony held at 08:55 hrs in the City Campus of the University on Monday, August 14th, 2023.

Prof. Dr. Khizer ul Haq, Registrar MUST, Mirpur AJ&K hoisted the National flag, Prof. Dr. Anwar Khitab, Dean Faculty of Health and Medical Sciences, Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities, Prof. Dr. Syed Hassan Mujtba Jafri, Dean Faculty of Engineering and Technology, Prof. Dr. Muhammad Aslam, Dean Faculty of Natural and Applied Sciences, Prof. Dr. Zafar Iqbal, Director MUST Business School, Prof. Dr. Muhammad khalique, Treasurer MUST, Mr. Kamran Hameed, Controller of Examinations and Dr. Muhammad Altaf, Director Student's Affairs participated in flags hoisting ceremony of State and University flags.

Prof. Dr. Muhammad Aslam, Dean Faculty of Natural and Applied Sciences, Prof. Dr. Anwar Khitab, Dean Faculty of Health and Medical Sciences and students of American Society of Mechanical Engineering (ASME) delivered speeches in which they highlighted

significance of Independence Day, long struggle of our ancestors for Muslims of subcontinent and great sacrifices for making separate homeland. Stage performances were also part of the ceremony.

The Chief Guest of the 76th Independence Day, Prof. Dr. Khizer ul Haq, Registrar MUST, Mirpur AJ&K while expressing his views on the 14th August said that Independence Day is a reminder of the responsibilities we bear, not just as members of this esteemed institution but as citizens of our great nation. He urged that we must continue to work tirelessly to uphold the values of freedom, democracy and unity. As we move through this memorable Independence Day's celebrations; I am filled with optimism for our collective bright future, he added. He re-emphasized that together we can overcome challenges, bridge divides and creates a society where every individual's dreams and aspirations are nurtured. Honorable Chief Guest commended Dr. Muhammad Altaf, Director Student's Affairs for the arrangements & conduct of the event. At the culmination of the event special prayers were offered for peace and progress in the country.





Brigadier Younus Javed has been given charge of Vice Chancellor University of Kotli (UoK)

Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur has been given charge of Vice Chancellor University of Kotli (UoK). The honor has been bestowed upon him by the Senate of University of Kotli owing to his decade's long meritorious services for the growth, uplift and development of education system of Pakistan and State of Jammu and Kashmir.



Mirpur University holds 1st PakTESOL, Two-Days Regional Training Workshop for English Language Teachers



The English Department of Mirpur University of Science and Technology (MUST), Mirpur AJ&K led by Dr. Sehrish Shafi, Coordinator Department of English, Allam Iqbal Open University (AIU), Islamabad and Regional English Language Office (RELO) ventured Two-days training workshop for English Language Teachers at Mechanical Hall & Video Conference Room of the City Campus of

the Mirpur University on Thursday, November 24, 2022 at 10:30 hrs.

Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities / Faculty of Natural and Applied Sciences was chief guest of the opening ceremony of 1st PakTESOL - 2 Days training workshop. The opening ceremony was held at 10:30 hrs at Mechanical Hall of the City Campus of the University, Prof.

Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities / faculty of Natural and Applied Sciences, Prof. Dr. Nasir Abbas, Dean Faculty of Languages and Literature Lasbela University of Agriculture, Water & Marine Sciences (LUAWMS), Prof. Dr. Khawaja Rehman, Director Public Institutional of Colleges, Prof. Dr. Kamal Khan, Project Director PakTESOL and Prof. Dr. Abdul Qadir Khan, Chairman, Department of English, University of Azad Jammu and Kashmir addressed the participants and highlighted the importance of the workshop.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Mirpur University
Friday, June 16, 2023
Hafeez Bin Mustafa

Historic in nature, diligent efforts, meticulous coordination and scrupulous liaison by Brig (R) Prof. Dr. Muhammad Younus Javed VC MUST, Mirpur AJ&K (Focal Person); Vice Chancellors of all Public Sector Universities of AJ&K called on Chairman Higher Education Commission (HEC), Islamabad in connection with provision of additional funds, so as to materialize increase in salaries & pensions of employees along with smooth execution of essential projects of the AJ&K Universities

Subject summit finds its roots in tireless efforts of VC MUST, Mirpur AJ&K (focal person), whose contribution were pivotal in assemblage of Vice Chancellors of all Public Sector Universities of Azad Jammu and Kashmir. Meeting was an artefact of a letter conscripted by Brig (R) Prof. Dr. Muhammad Younus Javed, VC MUST, Mirpur AJ&K (focal person) which was jointly signed by VCs of Universities of AJ&K, in addition to the resonant role played by former through extensive coordination.

The briefing on prime agenda item was given by VC MUST, Mirpur AJ&K in which Chairman of Higher Education Commission (HEC) was apprised regarding deteriorating financial health of all five AJ&K Universities due to non-increase in allocation of Annual Recurring Grant by the HEC w.e.f. 2017-18, which is already insufficient to meet the financial liabilities of each University.





Mirpur University Holds Walk-in-Interview for Administrative Positions

Mirpur University of Science and Technology (MUST), Mirpur held Walk-in-Interview under chairmanship of Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor, MUST, Mirpur against the advertised positions, on Tuesday, January 17, 2023 at MUST Secretariat Jari Khas.

Interviews were held as per following details:-

- 1. Selection Committee – I
Posts of Chief Security Officer & Accountant
- 2. Selection Committee – II
Posts of Security Supervisor and Security Guards

Interviews were held simultaneously in the Conference Room and in the Registrar's Office under Selection Committees I & II which were headed by Brig. (R) Prof. Dr. Muhammad

Younus Javed SI (M), Vice Chancellor MUST, Mirpur and Prof. Dr. Khizer ul Haq, Registrar MUST.

Prof. Dr. Muhammad Khalique, Treasurer MUST, Prof. Dr. Muhammad Aslam, Dean Faculty of Natural and Applied Sciences, Dr. Azhar Hussain, Director QEC, Dr. Asghar Ali, Director, Institute of Islamic Studies, Mr. Nasir-ud-din Lecturer IIS MUST and Mr. Muhammad Ayub, Chief Security Officer were amongst the panelists. Mr. Ghafoor Dar, Additional Registrar & Mr. Muhammad Naveed, Deputy Registrar were Secretaries of the Selection Committees.

The esteemed Vice Chancellor extended his gratitude to all the panelists, the Registrar of MUST, and the entire team for conducting the session in a fitting manner.





VC MUST Along with Assemblage of Government Dignitaries Attended, Prize Distribution Ceremony of (BISE), Mirpur AJ&K

His Excellency, Sardar Tanveer Ilyas Khan, Prime Minister of State of Azad Jammu and Kashmir graced the Annual Prize Distribution Ceremony 2022 for position holders of Secondary School Certificate (SSC) and Higher Secondary School Certificate (HSSC), Board of Intermediate & Secondary Education (BISE), Mirpur AJ&K on Thursday, March 30, 2023.

Brig. (R) Prof. Dr. Muhammad Younus Javed

SI(M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur besides Chaudhary Arshad Hussain, Minister for Electricity, Chaudhary Yasir Sultan, Minister for Physical Planning & Housing, Mr. Ali Shan Chaudhry, Minister for Food & Mineral Resources, Mr. Zafar Iqbal Malik, Minister for Higher Education, Mr. Maqbool Ahmed Chaudhary, Minister for Industry & Labor Welfare, Chaudhary Muhammad Mansha, former Director General, Mangla Dam Housing Authority (MDHA), Mr. Mirza Khalid Mahmood, Secretary Higher Education, District Management and various other dignitaries participated in said Ceremony.



Mirpur University signed MoU with Professional Education Foundation (PEF) for Undergraduate Scholarships

Students Assistance Centre (SAC) of Mirpur University of Science and Technology (MUST), Mirpur signed an MoU with Professional Education Foundation (PEF) in the Conference Room of MUST Secretariat Jari Khas on Wednesday, October 12, 2022 at 11:30 hrs. Dr. Moshin Zafar, Director Students Assistance Centre of Mirpur University and Maarab Bashir, Manager Student's Affairs, Professional Education Foundation (PEF) signed the MoU in presence of Prof. Dr. Anwar Khtiab, Acting Vice Chancellor, Mirpur

University of Science and Technology MUST, Mirpur and Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities. Professional Education Foundation (PEF) is a registered Trust for supporting deserving students for studies in the field of Engineering, Medical, Agriculture, Management Sciences, and other disciplines. Trust is having its place of business at 1st Commercial Lane, Phase 6, DHA, Karachi. It has 2300 Alumni Students since its inception in 2009 and 2200 active students in over the Pakistan, who are getting education under their financial support in 41 Universities. In financial year 2021-22 PEF has reimbursed 140 million in all across the country.





Mirpur University holds 13th Meeting of Board of Management for Benevolent Fund (BMBF)

Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur chaired 13th Meeting of the Board of Management for Benevolent Fund (BMBF) on Friday, October 28, 2022, at 10:00 hrs in Conference Room of MUST Secretariat Jari Khas. Prof. Dr. Khazir Ul Haq, Registrar MUST and Dr. Muhammad Khalique, Treasurer MUST, Dr. Tasleem Kausar, Director MIT (Nominee, Dean Faculty of Engineering and Technology) were members of the BMBF. House discussed / approved grant of educational scholarshipstosons-daughtersof

faculty members & administrative employees of Mirpur University. Meeting was coordinated / organised by Mr. Mirza Tariq Mehmood, Deputy Registrar (Admin), Mr. Asghar Hussain, Assistant Registrar (Admin) & Mr. Moshin Raza, Assistant Registrar, (General Section) who presented Agenda of 13th Meeting of BMBF. Dr. Syed Zakir Hassan Bukhari, Associate Professor Department of Mathematics, Mr. Aftab Ahmed Abbassi, Deputy Controller of Examinations, represented faculty and administrative staff. Mr. Daud Ali Siddiqui, Senior Private Secretary to Vice Chancellor, Mr. Rashid Farooq, Assistant Director Budget and Khawaja Muhammad Akram, DEO Admin also participated in 13th meeting of BMBF.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

Chief Manager, Bank of Azad Jammu and Kashmir (BoAJ&K), Main Branch Mirpur was called on Vice Chancellor (MUST)

Mr. Javed Iqbal Qureshi, Chief Manager, Bank of Azad Jammu and Kashmir (BoAJ&K), Main Branch Mirpur was called on Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice

Chancellor Mirpur University of Science and Technology (MUST), Mirpur at MUST Secretariat Jari Khas.

Mr. Javed Iqbal Qureshi, Chief Manager, Bank of Azad Jammu and Kashmir (BoAJ&K) handed over a cheque of Rs. 250000/- as Customer Support (MUST 7th Convocation), to Prof. Dr. Muhammad Khalique, Treasurer MUST, Mirpur on behalf of Bank of Azad Jammu and Kashmir.



MUST, Mirpur AJ&K Observed Kashmir Solidarity Day



To observe Kashmir Solidarity Day 2023, Mirpur University of Science and Technology (MUST), Mirpur AJ&K organised an event on Monday, February 06, 2023 at 0940 hours at City Campus. Brig (R) Prof Dr. Muhammad Younus Javed SI (M) Vice Chancellor MUST, Mirpur AJ&K graced the event.

Directorate of Student's Affairs in collaboration with departments of Physics & Mathematics,

Society of Sciences, MUST Media Society and MUST Blood Welfare Society arranged the event.

Brig (R) Prof Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur expressed solidarity with the people of Jammu and Kashmiri and reiterated dedication and absolute commitment for liberation of



occupied Kashmir from brutal Indian forces. While addressing the participants on Kashmir Solidarity Day he said that India is brazenly defying international laws and conventions for last seventy-five years of seizure, through blackouts, arbitrary detentions, curfews and imprisonments could not surrender the will of Kashmiris.

He further said Kashmir Solidarity Day carries paramount significance, reflects that the governments and the people of Pakistan and Azad Kashmir stand wholeheartedly with oppressed Kashmiris & they are not alone in this hour of trial and deep turmoil. He urged that while living in the era of digital world it is prime responsibility of all us to project and highlight the freedom struggle of brave people of Jammu and Kashmir on all available social media platforms and let the world know the ferocious acts of occupational forces.

Prof. Dr. Khizer Ul Haq, Registrar MUST, Prof. Dr. Muhammad Aslam, Dean Faculty of Natural and Applied Sciences, Prof. Dr. Rashida Hussain, Chairperson Department of Mathematics, Prof. Dr. Naeem Iqbal

Ratyal, Chairman Department of Electrical Engineering, Dr. Muhammad Irfan, Chairman Department of Physics, Dr. Muhammad Altaf, Director Student's Affairs, Dr. Azhar Hussain, Director Quality Enhancement Cell, Dr. Kaleem ul Haq Tariq, Provost Hostels, Faculty Members, Administrative Staff and Students of departments of Physics and Mathematics participated in the event.

Dr. Muhammad Ayub, Assistant Professor, Department of Physics, students of Physics & Mathematics departments, Society of Sciences, MUST Blood Welfare Society delivered speeches, Kashmiri nagmas and displayed documentaries on multiple media. Brigadier Younus Javed, Vice Chancellor MUST handed over certificates to the organizers of the event and extolled the efforts of Dr. Muhammad Altaf, Director Student's Affairs, Dr. Rashida Hussain, Chairperson Department of Mathematics, Dr. Muhammad Irfan, Chairman Department of Physics, Society of Sciences, MUST Media Society and MUST Blood Welfare Society.





Brigadier Younus Javed, VC MUST / UoK Attended Fatehpur Thakial Welfare Society's Award Ceremony as Guest of Honour

Brigadier (Retired) Professor Dr. Muhammad Younus Javed SI (M), Vice Chancellor of Mirpur University of Science and Technology (MUST), Mirpur, and the University of Kotli (UoK), graced the award distribution ceremony of

the Fatehpur Thakiala Welfare Society as the Guest of Honour on Thursday, January 19, 2023, in Nakial. The ceremony was attended by the Minister of Higher Education, Malik Zafar Iqbal, alongside former Ministers Farooq Sikandar and Sardar Naeem Khan. In his address, Brigadier Younus Javed expressed his deep appreciation for the award recipients and the broader community members of the Welfare Society for their altruistic and dedicated contributions to society.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Mirpur University
Thursday, 27th September 2023
Hafeez Bin Mustafa

MUST, Mirpur AJ&K under the experienced stewardship, academic prowess and pivotal chieftainship of Brigadier Younus Javed; dexterously dominates the International Canvas as being ranked in the 4th Group (1001-1200 category) out of 1904 Higher Education Institutes Globally (by competing with universities of 108 countries) as per Times Higher Education (THE) and World University Rankings (WUR) 2024. MUST has earned this reverence & pride for Pakistan & AJ&K by surpassing leading National brands and becoming high performing higher education institute with 19th position in whole Pakistan & first in Azad Jammu and Kashmir.

The Times Higher Education (THE) World University Rankings 2024 include 1904 Universities across 108 countries. Mirpur University of Science and Technology (MUST), Mirpur AJ&K under able leadership of Vice Chancellor, Brig (R) Prof. Dr. Muhammad Younus Javed SI(M); the top Administration, Faculty Members and Administrative Staff have accomplished this extraordinary brilliance in THE World University Rankings 2024, ranked in the 1001-1200 group category out of 1904 world Universities, MUST has been placed at 19th position along with 11 other well-recognized universities in Pakistan i.e. University of Engineering & Technology (UET) Lahore, University of Engineering and Technology (UET) Peshawar, University of Sargodha, University of Peshawar, Bahauddin Zakariya University, University of Gujrat, PMAS Arid Agriculture University Rawalpindi, Riphah International University, leaving behind Pakistan's top Universities including Government College University Lahore, NED University of Engineering and Technology, Lahore College for Women University (LCWU), National University of Medical Sciences (NUMS) and The University of Agriculture, Peshawar. It is worth mentioning that Mirpur University is the only University in entire Azad Jammu and Kashmir that has been ranked by the Times Higher Education (THE) World University Rankings (WUR) 2024.

The Times Higher Education (THE) World University Rankings (WUR) 2024 analyzed more than 134 million citations across 16.5 million research publications and included survey responses from 68,402 scholars globally. Overall collected 411,789 data points from more than 2,673 institutions that submitted data. Ranking is based on new WUR 3.0 methodology that includes 18 carefully calibrated performance indicators that measure an institution's performance on the following parameters:-



Mirpur University conducted Medical and Dental Colleges Admission Test (MDCAT)



Registrar Office of the Mirpur University of Science and Technology (MUST), Mirpur assisted by Directorate of Student's Affairs, Estate Management and Security Affairs carried out the Dental Colleges Admission Test (MDCAT) for admission to medical colleges across the Country on Sunday, November 13, 2022 from 11:00 hrs to 14:30 hrs at City Campus of the Mirpur University. Entry Test conducted under the supervision of Prof. Dr. Khazir Ul Haq Registrar MUST/ Chief Invigilator, aided by Superintendents, Deputy Superintendents, Invigilators and Security Staff.

Department of Biotechnology at Mirpur University Celebrates Fifth Ph.D. Graduate

The open public thesis defense of Ms. Afshan Afreen, PhD scholar, Department of Biotechnology was held on 17 of February, 2023 at 2 PM in the Science block of city campus MUST. Ms. Afshan Afreen completed her research under the supervision of Dr. Muhammad Tariq and co-Supervision of Prof. Dr. Kausar Malik, Director CEMB, Punjab University Lahore.

The defense proceedings were graced by the presence of several distinguished individuals, including Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor of Mirpur University of Science and Technology (MUST) in Mirpur AJ&K.

Among the eminent attendees were Prof. Dr. Rehana Asghar, T.I, Prof. Dr. Maqsood Ahmed, former Vice Chancellors of MUST, Mirpur, and Prof. Dr. Muhammad Javaid Asad, serving as the External Examiner. Additionally, the event was honored by the participation of Dr. Muhammad Sheeraz Ahmed from Arid Agriculture University Rawalpindi, Prof. Dr. Khizar ul Haq, Registrar of MUST, Prof. Dr. Rashida Hussain, Acting Dean of the Faculty of Natural and Applied Sciences at MUST, Prof. Dr. Muhammad Khalique, Treasurer of MUST, Ms. Samina Kausar, Additional Controller of Examinations at MUST, Mr. Shuakat Hayat, Deputy Director of the Quality Enhancement Cell, as well as faculty members, Ph.D. and M.Phil. research scholars, and students.

The external examiner conveyed his appreciation for the scholarly work accomplished by the candidate in the Department of Biotechnology. He also commended the presence of the Vice Chancellor at the Ph.D. scholar's defense, noting that universities flourish under such capable leadership. In his closing remarks, the Vice Chancellor extended congratulations to the scholar, her supervisor, and family. He further praised the Department of Biotechnology for its outstanding research efforts, marking the successful graduation of the department's fifth Ph.D. scholar. Dr. Raja Tahir Mahmood, Assistant Professor in Biotechnology, expressed gratitude to all the esteemed guests, faculty members, and students for their attendance at the thesis defense. The ceremony concluded with a refreshment session, fostering a congenial atmosphere for further discussions and interactions.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

24th October stands testimony to the great sacrifices of our ancestors. It drives us to follow the footsteps of our predecessors, so as to support the subjugated people of Jammu and Kashmir in gaining their just and legitimate freedom : Brigadier Younus Javed

To rejoice the 75th founding Day of Azad Government of the State of Jammu & Kashmir, Mirpur University of Science and Technology (MUST), Mirpur organised flag hoisting ceremony followed by seminar on Monday, October 24, 2022 at 09:00 hrs at City Campus of Mirpur University. Directorate of Student's Affairs ventured platinum Jubilee of Azad Government with departments of Computer Systems Engineering (CSE), Software Engineering and Computer Sciences & Information & Technology

Brigadier Younus Javed, Vice Chancellor MUST, in his special message on Youm-e-Tasees said it is a historical day that symbolizes dawn of hope, travail struggle, unparalleled sacrifices of our Kashmiri brothers and sisters to achieve the right to self-determination. He further said perseverance & sacrifices laid by the people of Jammu and Kashmir will surely

yield success and will restore their freedom & denied rights. Prof. Dr. Syed Mujtaba Jafri, Dean Faculty of Engineering and Technology of Mirpur University was Chief Guest of Youm-e-Tasees celebrations. At flag hoisting ceremony he was accompanied by Prof. Dr. Muhammad Khalique, Treasurer MUST, Mr. Kamran Hameed, Controller of Examinations, Dr. Muhammad Altaf, Director Student's Affairs & Lieutenant Colonel (R) Muhammad Usman, Chief Security Officer.

Dr. Sajid Manzoor, Chairman Computer System Engineering (CSE), Students of Society of Computer System Engineering (SCSE) & MUST Green Society delivered speeches, sang Kashmiri songs & displayed documentaries on multiple media. Prof. Dr. Syed Hassan Mujtaba Jafri, Dean Faculty of Engineering and Technology handed over certificates to the organisers of the event & extolled the efforts of Directorate of Student's Affairs, Department of Computer System Engineering, Software Engineering and Computer Sciences and Information Technology (CS&IT). At the culmination of the ceremony special prayers were offered for peace, solidarity and prosperity of Pakistan & State of Azad Jammu and Kashmir and especially for the early liberation of Indian occupied Jammu and Kashmir.





Pakistan Innovation Fund Award 2023 for Tech Startup

Dr. Sohaib Manzoor and Dr. Imran Aziz from the Department of Electrical Engineering of Mirpur University clenched Rs. 10 million in Pakistan Innovation Fund Award 2023 for Tech Startup

In pursuance of the directions by the Prime Minister of Pakistan and in line with the Vision 2025, The Ministry of Planning, Development and Special Initiatives launched the Pakistan Innovation Fund. Citizens and firms/ organizations both in Public and private sectors were asked to submit the proposals for innovative projects that lead to the development of the new products, services and value addition in existing products aimed at productivity enhancement in the sectors of Governance, Agriculture, Education, Health, Tech Startups and Women Entrepreneurship. In the first phase the written proposals were shortlisted all over Pakistan. In the 2nd phase a committee comprising senior government official including His Excellency Engr. Ahsan Iqbal, Minister of Planning and Development, experts and industry leaders took the pitch for the proposal ideas and made recommendations for the awards.

Dr. Sohaib Manzoor, Lecturer at Department of

Electrical Engineering / Manager Innovation and Commercialization in ORIC and Dr. Imran Aziz Lecturer at Department of Electrical Engineering submitted a proposal related to Tech Startups for Wireless Communication. On the shortlisting of the project proposal, Dr. Sohaib Manzoor was invited to present a pitch to the Pakistan Innovation Fund Team and was able to convince them for the production of the "Smart Programmable Access Point" which will contribute to the IT hardware export of the country. The honorable Minister for Planning and Development Engr. Ahsan Iqbal congratulated Dr. Sohaib Manzoor, Lecturer/ Manager Innovation and Commercialization on winning the pitch.

The Vice Chancellor of Mirpur University of Science and Technology (MUST), Mirpur AJ&K, Brig (R) Prof. Dr. Muhammad Younus Javed, SI(M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K acknowledged the efforts made by the young scientists and encouraged them to work with the similar pace to enlighten the name of MUST, Mirpur AJ&K and to uplift the economy of Pakistan.



MUST, Mirpur Commemorated Pakistan Resolution Day with Jubilation & Tides of Loyalty



Mr. Justice Muhammad Younus Tahir, former Judge Supreme Court /Chairman Ehtesab Bureau AJ&K graced the celebration of Pakistan Day jointly organised by faculty of Health and Medical Sciences, Directorate of Student's Affairs and Positive Pakistan Foundation of Mirpur University of Science and Technology (MUST), Mirpur on Thursday, March 23, 2023 at City Campus of the University.

Prof. Dr. Anwar Khitab, Dean Faculty of Health and Medical Sciences, Prof. Dr. Khizer ul Haq, Registrar MUST, Prof. Dr. Muhammad Aslam, Dean Faculty of Natural and Applied Sciences, Prof. Dr. Muhammad Khalique, Treasurer MUST, Dr. Muhammad Altaf, Director Student's Affairs, Major (R) Muhammad Jahangir, Chief Security Officer, Dr. Mian Muhammad Zeeshan Javed, Chairman Department of Pharmacy and Physical Therapy, Dr. Sumaira Irum Khan, Coordinator Department of Human Nutrition and Dietetics, Department of Allied and Health Sciences, Mr. Muhammad Ayub, Director Estate and Management, Mr. Muhammad Naveed, Admin Officer, Faculty Members, Administrative Staff and Students of Health and Medical Sciences participated in the event.

Day was marked with flag hoisting ceremony by Prof. Dr. Anwar Khitab, Dean Faculty of Health and Medical Sciences and Prof. Dr. Khizer ul Haq, and Registrar MUST which was followed by various other indoor activities.

Dr. Sumaira Irum Khan, Coordinator Department Human Nutrition and Dietetics, Mr. Muhammad Aqeel, Lecture, Department of Pharmacy, Students of Health and Medical Sciences delivered speeches in which they highlighted significance of Pakistan Day, long struggle of Quaid-e-Azam Muhammad Ali Jinnah for Muslims of subcontinent & great sacrifices for making separate homeland. Cultural representations, documentaries & stage performances were also part of the ceremony.

Mr. Muhammad Younus Tahir, former Judge Supreme Court of Azad Jammu and Kashmir shed light on different historical aspects of Pakistan Day, encouraged University students to follow the footsteps of our great ancestors and do their utmost for the growth and well-being of the society. Certificates were presented to the organisers of the event by honorable Chief Guest.







National Agriculture Education accreditation Council (NAEAC) visited (MUST), Mirpur

National Agriculture Education accreditation Council (NAEAC) visited Mirpur University of Science and Technology (MUST), Mirpur AJ&K to evaluate the quality and standards of Human Nutrition and Dietetics education at Faculty of Health and Medical Sciences of Mirpur University. Team visited main library, CMS, QEC and ORIC offices. The

NAEC team also visited the Department of Human Nutrition and Dietetics where they were engaged in various activities, including interaction with students, visit of classroom laboratories, and library. NAEAC team interacted with department Faculty and went through course files. The discussion revolved around curriculum design, teaching methodologies, research initiatives, university facilities, and the overall learning environment.



Mirpur University inked an MoU with Azad Kashmir Association for the Blind (AKAB) for Academic Exchange Program and Volunteer Work



Department of Computer System Engineering (CSE) of Mirpur University of Science and Technology (MUST), Mirpur joined hands with Azad Kashmir Association for the Blind (AKAB) Complex, Mirpur for the Academic Exchange Program and Volunteer Work. Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor MUST, Mirpur and Prof. Ilyas Ayoub Principal AKAB School for Blind, Mirpur, signed MoU on Monday, October 31, 2022 at AKAB School.

Chaudhary Muhammad Hanif, former chairman Mirpur Development Authority (MDA), Engr. Muhammad Waris Former Registrar MUST, Prof. Dr. Syed Hassan Mujtaba Jafri, Dean Faculty of Engineering and Technology, Dr. Sajjad Manzoor, Chairman Department of Computer System Engineering / Focal Person MUST, Mr.

Muhammad Irfan focal Person AKAB, School and officials of both institutions attended the ceremony. Speaking on the occasion, Brigadier Younus Javed, Vice Chancellor, Mirpur University highlighted the challenges faced by the blind community due to the non-availability resources & proper care. He further said Mirpur University will provide all technical support for strengthening various areas of mutual interest.





Brig (R) Prof. Dr. Muhammad Younus Javed SICM, Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K said that the courage & bravery which our fearless soldiers displayed on the frontline in the war of September 1965 while defending the sacred homeland, finds no parallel in modern war history.



Mirpur University
Wednesday, 6th September 2023
Hafeez Bin Mustafa

Epoch of September 1965 is testimony to the gallant acts of valor of our stouthearted soldiers who fought with resolute will, unfaltering courage & unyielding tenacity in the battlefield while facing an enemy having military might manifolds than own size to guard our freedom and sovereignty. The very scared blood shed by our martyrs has not only engraved pride, integrity and honour in our chronicles which will continue to echo in the annals of history for centuries to come but also urges our young generation to reach to the zenith in their respective spheres of life to make this country a real power on earth: Brigadier Younus Javed

Defence Day was celebrated in Mirpur University of Science and Technology MUST, Mirpur AJ&K to honour & remember the great sacrifices of our war heroes; on the occasion Brig (R) Prof. Dr. Muhammad Younus Javed SI(M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K said that the courage & bravery which our fearless soldiers displayed on the frontline in the war of September 1965 while defending the sacred homeland, finds no parallel in modern war history. He added that being the responsible citizens of this land of pure, we pay our deepest gratitude & would continue to extend this emotional attachment nurtured with paramount respect which has emerged from our bone marrow. The legacy which our Armed Forces have built with their blood along with the support of the countrymen has exemplified our commitment, strength of bonding and the power of nation's collective spirit.

Vice Chancellor stressed that it is very important that our youth must know our glorious history, take inspiration from the great sacrifices of our heroes and work with their full potential to excel in their respective fields; as only the collective effort will take our country to the path of great revival and would bring great name from the corners of the globe.





Brigadier Younus Javed Presides over awards ceremony of MUST Sports Gala 2023

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K graced Closing Ceremony of MUST Annual Sports Gala 2023 organised by the Directorate of Sports and Sports Society MUST in Hall of Mechanical Engineering on Thursday, September 21, 2023 at 1015 hours.

Brigadier Younus Javed congratulated the winning teams, runner-up teams of students, faculty & administrative staff, other players on their success and active participation in the sports Gala. He further said University is working on various proposals to promote sports culture besides improving the infrastructure and facilities. Whether you have won a prize or not you are all winners of such events as this active participation would pay back in terms of fitness, physical and mental health, he added.

Vice Chancellor along with other senior officers of the university awarded appreciation certificates, shields & trophies to the winners and runners-up and organiser of the event. Vice Chancellor commended Director Sports, Sports Society MUST & Staff of Directorate of Sports for organising the MUST Sports Gala 2023 successfully.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

A Workshop on "An Effective Pitch Deck"

On 12th September 2023, A workshop on "An Effective Pitch Deck" was arranged by the Office of Research Innovation and Commercialization (ORIC) at MUST Smart Classroom. Engr. Dr. Sohaib Manzoor, Manager, Innovation and Commercialization, acted as the resource person for the workshop. Earlier, the program commenced with a recitation of holy verses from the Quran by Engr. Irfan Jamshed. The workshop covered topics related to pitch information, data with the story, precise personal introduction, emerging research problems and rectifying the solutions, visuals, SWOT analysis, business models, and market analysis. The workshop was a blend of theoretical and personal experiences.

The workshop captured an audience from all faculties which included respectable faculty members and students. The workshop also

had the importance of the inauguration of the MUST smart classroom. The latest software such as Idea Share and Huawei GUI were used to enhance the presentation facilities. In the concluding remarks, Prof. Dr. Faisal Riaz requested the audience to reflect on the learning outcomes of the workshop by pitching small research ideas in written and verbally. The workshop ended with a vote of thanks in favour of Engr. Dr. Sohaib Manzoor. ORIC is determined to continue the series of workshops soon, utilizing the smart classroom features. The upcoming series of workshops will include detailed ORIC scorecard submission and analysis, research policy components and many more.

The workshop ended with a vote of thanks in favour of Engr. Dr. Sohaib Manzoor.





Brigadier Younus Javed chaired Mirpur University's 10th Meeting of Finance and Planning Committee for FY 2022-23

Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur presided over the 10th Meeting of the Finance and Planning Committee to discuss budget of Mirpur University for financial year 2022-23 on Saturday, September 17, 2022 at 11:00 hrs. in Electrical Conference Room of the City Campus of the University. Brigadier Younus Javed, Vice Chancellor MUST in his opening remarks paid warm welcome to the external members of the Finance and Planning

Committee & briefed about university's financial landscape and matters pertaining to planning by the members of the committee. Prof. Dr. Muhammad Khalique Treasurer MUST / Secretary Finance and Planning Committee presented the agenda items of the 10th meeting of F&P on projector & briefed the honorable members. The house deliberated over the various Agenda Items of the 10th Meeting of the Finance and Planning Committee. Recommended ways & means to address the concerning areas in order to improve the University's financial health and decisions were taken in the best interest of the Mirpur University. The committee acknowledged and appreciated efforts made by the Vice-Chancellor and its financial team for ensuring transparency of funds.



Vice Chancellor MUST Inaugurated MUST Sports Gala 2023



Brig.(R) Prof. Dr. Muhammad Younus Javed SI(M), Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur AJ&K inaugurated the opening ceremony of MUST Sports Gala 2023 (Inter-House Games) at City Campus of Mirpur University on February 27, 2023 at 1200 hours.

Directorate of Sports and Youth Development Center of Mirpur University jointly organized MUST Sports Gala 2023. Eight Boys and Eight Girls Houses, in total 16 Houses (Comprised of 45 Departments of the University) participated in the mega event of Sports 2022 – 2023.

Mr. Abid Hussain, Director Sports of Mirpur University in opening speech thanked honorable Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor MUST, Mirpur AJ&K for gracing the occasion. Director presented details regarding the events and paid respect to all external sports experts who were there to support MUST Sports Directorate to conduct Annual Event.

Brigadier Younus Javed in his speech said that sports play important role in the lives of all the individuals therefore, for hysical fitness and strength, sports are integral part of life. He further said such kind of



Sports provide platform for the students to showcase the talent & skills in various events. Such events also help in promoting a healthy and competitive spirit among the students he added. Brigadier Younus Javed commended the efforts of Mr. Abid Hussain, Director Sports, Dr. Moshin Zafar, in charge, Youth Development Center, Mr. Waqar Saleem, Director Physical Education, Mr. Rashid Mehmood, Physical Training Instructor, supporting Staff of the Sports Directorate, Principal Pilot School No. 1 for providing School Band on the opening ceremony and also admired active role of MUST Societies for organising the mega event.

Khalid Bin Waleed House, Quaid e Azam House, Muhammad Bin Qasim House, Iqbal House, Tipu Sultan House, Sir, Saeed Ahmed Khan House, Tariq Bin Zaid House, Sultan Mehmood Ghazanvi House, Ayesha House,

Maryum House, Haleem House, Fatima House, Zainab House, Khadija House and Hajra House were participating in Table Tennis, Volleyball, Badminton, Basketball, Cricket, Tug of war, 800 M, 400 M, 200 M and 100 Meters.

Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities, Prof. Dr. Muhammad Aslam, Dean Faculty of Natural and Applied Sciences, Prof. Dr. Zafar Iqbal, Director MUST Business School, Dr. Moshin Zafar, In charge, Youth Development Center, Dr. Muhammad Altaf, Director Student's Affairs, Dr. Naseem Akhtar, Director Graduate Placement Bureau, Mr. Daud Ali Siddique, Senior Private Secretary to the Vice Chancellor, Dr. Ghulam Chaudhary, Director Business Incubation Center (BIC), Chairpersons, Faculty Members, Administrative Staff and students participated in the event.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

Faculty of Natural and Applied Sciences (FoN&AS) of Mirpur University paid homage to retiring pre-eminent Academicians on standout careers

Faculty of Natural and Applied Sciences (FoN&AS) of Mirpur University organized farewell ceremony in honor of Prof. Dr. Muhammad Aziz Chaudhary, Professor Chemistry / Dean Faculty of Natural and Applied Sciences / former Chairman Chemistry and Prof. Dr. Shaukat Mahmood, Professor Physics / former Dean Faculty of Natural and Applied Sciences / Controller of Examinations MUST & Chairman Physics, for discharging three decades long services for promoting excellence in the education sector of Azad Jammu and Kashmir. Former Vice Chancellors MUST Prof. Dr. Habib-ur-Rehman, SI, Prof. Dr. Maqsood Ahmed Chaudhary and Prof. Dr. Rehana Asghar, TI, were special guests of the ceremony. Former Registrars of Mirpur University - Prof. Dr. Riaz Mughal, Engr Shahbir Mirza and Engr Muhammad Waris were also invited to the event.

Prof. Dr. Khazir Ul Haq, Registrar MUST, Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities (FSS&H), Prof. Dr. Muhammad Aslam, Director Quality Enhancement Cell (QEC), Prof. Dr. Muhammad Khalique, Treasurer MUST, Prof.

Dr. Muhammad Ishtiaq, Director Advance Studies and Research Board (AS&RB), Dr. Naseem Akhtar, Director Graduate Placement Bureau, Mr. Kamran Hameed, Controller of Examinations MUST and Dr. Arshad Butt, former Controller of Examinations.

Prof. Dr. Aziz Chaudhary & Prof. Dr. Shaukat Mahmood shared their experiences and memories. Later they extended thanks to all participants and organisers for marking their retirements in a splendid way. Vice Chancellor MUST presented shields to Prof. Dr. Muhammad Aziz Chaudhary & Prof. Dr. Shaukat Mahmood in recognition of their decade's long services for the growth and well-being of the society. Brigadier Younus Javed also lauded the efforts of Faculty of the Natural and Applied Sciences and the organising Committee for holding the farewell ceremony in the honor of outgoing mentors of the Mirpur University.





MUST, Mirpur Observed 33rd Death Anniversary of Ghazi-e-Millat, Captain General Syed Ali Ahmed Shah, Former President of AJ&K

Mr. Muhammad Azam Khan, Former Chief Justice, Supreme Court AJ&K participated as chief guest of death anniversary of the former President & first Defence Minister of Azad Jammu and Kashmir, Captain General Syed Ali Ahmed Shah, organised by Directorate of Student's Affairs with collaboration of Ali Ahmed Shah Society, Institute of Islamic Studies and Department of Sociology of Mirpur University of Science and Technology MUST, Mirpur AJ&K on Tuesday, March 21, 2023 at 1100 hrs in Mechanical Hall of the City Campus of the University.

Mr. Muhammad Azam Khan, Former Chief Justice, Supreme Court AJ&K, Chaudhary Shoukat Ali, Commissioner, Mirpur Division, Syed Nashat Kazmi, Advocate, President Ali

Ahmed Shah Society, Mr. Shoukat Majeed Malik, former Secretary Information Govt of AJ&K, Raja Muhammad Zubair Advocate, President Supreme Court Bar Association AJ&K and Mr. Kamran Tariq Advocate, President District Bar Mirpur AJ&K paid tribute to Ghazi Millat – former President for his life-long services for the Kashmir cause and supreme sacrifices for the nation.

Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities, Mr. Muhammad Javed Malik, District Information Officer, Dr. Muhammad Altaf, Director Student's Affairs, Dr. Asghar Ali, Director Institute of Islamic Studies, Faculty Members, Administrative Staff and Students of Institute of Islamic Studies and Department of Sociology attended the event. Certificates were presented to the organisers of the event and at the closing of the session prayers were offered for Captain General Syed Ahmed Shah, Former President of Azad Jammu and Kashmir.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

Faculty of Health and Medical Sciences of Mirpur University & Health Department of AJ&K inked MoU to boost cooperation & research in Allied Health Sciences

Major General Zaheer Akhtar, Secretary Health Azad Government of the State of Jammu and Kashmir and Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur signed a memorandum of understanding (MoU) in the office of Secretary Health AJ&K on Friday, December 16, 2022 at 1100 hours. The MoU will provide Internships and hospital training to all departments of Faculty of Health and Medical Sciences (FoH&MS) and will pave a way for joint action to further enhance efficiency, quality of education.





Mirpur University hosted a Webinar to Condemn G-20 Summit in Indian Illegally Occupied Jammu Kashmir (IIOJK)

Webinar in Connection with **KASHMIR SOLIDARITY DAY**



Kashmir issue

in new Global Political Reorientations



ALI RAZA SYED

Chairman of Kashmir Council EU



DR. GHULAM NABI FAI

Secretary General, Washington-based World Kashmir Awareness Forum



DR MUBEEN SHAH

Ex-President Kashmir Chamber of Commerce & Industry



GHULAM MUHAMMAD SAFI

Convener Tehreek e Hurriyat, Jammu & Kashmir



MAHMOOD AHMAD SAGHAR

Convener of All Parties Hurriyat Conference



TAIMOOR AKBAR CH.

Assistant Professor, MUST, Mirpur AJK



MODERATOR

Muhammad Shakeel, Ex-Director AJK Radio

Organized by: NTC, Mirpur University of Science & Technology (MUST), Mirpur AJK

Mirpur University of Sciences and Technology (MUST), Mirpur AJ&K organised a Webinar against G-20 Summit in IIOJK with a title G-20 Summit in IIOJK & India's Nefarious Designs in the Video Conference Room of City Campus of the University.

The session was attended by following prominent participants: –

1. Mr. Ali Raza Syed, Chairman Kashmir Council EU (Brussels)
2. Dr. Imtiaz Khan, Human Rights Activist / Professor at George Washington University (USA)
3. Mr. Syed Faiz Naqshbandi, Senior Leader APHC
4. Mrs. Shamim Shawl, Human Rights Activist

/ Permanent Representative of IMWU

5. Mr. Muhammad Shakeel, Ex-Director AJ&K Radio

6. Dr. Saira Farooq Shah, Chairperson Department of Education MUST, Mirpur AJ&K
Participants of the Webinar said G-20 Summit in IIOJK is a total contravention of UN resolutions and it is conflagration of International norms, by holding G-20 Summit / Tourism Meeting in Indian Illegally Occupied Jammu Kashmir (IIOJK), India is trying to portray that after revocation of Articles 35A / 370 in August 2019, everything is going back to normal, things have been mainstreamed and IIOJK has become an integral part of India and is progressing now. However India



has failed to prove it, because the media is controlled, journalists are in jail, Human Rights Activists are not allowed travel around the world. If the people have accepted Indian occupation, why don't India remove 1 Million Forces, let the people come out and express their views. They are under duress, population have been caged.

Participants further said India wanted to bring 200 delegates in G-20 Summit but there were only 40 people who came from low level European countries. It has been a failure and to the extent it has backfired. China, Turkey has not participated in G-20 Summit, while Egypt, Indonesia and KSA stayed away from it. During the preparations of G-20 Summit, there have been a lot of Human rights violations going on. Houses of many Kashmiri leaders have been raided, schools have been closed, shops have been opened forcefully to show International community that everything is very much normal after August 5th 2019.

Speakers appealed to the World Community to come forward and play their role for peaceful settlement of the Kashmir issue according to the will of the people of Jammu and Kashmir. It was highlighted that Indigenous Kashmiris are facing a lot of backlash of the revocation of the Articles 35A and 370. Talks on International Media show that minorities are not safe in India, Modi wants to show the World that it is the biggest democracy, have

a big market however people understand it's a fascist regime.

Participants said India has started this reign of terror in IIOJK back in 1989, it is not only the Modi Govt though the Modi Govt has been a very fabricating and Fascist Govt but Human rights abuses started much before. During Congress regime in 1990, Kashmiris protested against Indian occupation and they were oppressed by brutal force. Several major incidents took place while Congress was in power at Delhi. The affliction of Human rights abuses on Kashmiris has been a continued policy of Indian Government.

The participants also discussed the way forward to bring peace in South Asia, to flourish the people of South Asia and unanimously agreed that there is only one way forward, which is to resolve Kashmir issue as per the wishes of the people of Jammu and Kashmir as only solution is to have the Referendum, the plebiscite and let the people of Kashmir to decide. World must know that Kashmir being left unresolved can have disastrous consequences and world can emphasize on India that they need to come to negotiating table with genuine leadership of Kashmir and Pakistan to resolve this issue.

The participants also discussed the way forward to bring peace in South Asia



MUST, Mirpur AJ&K hosted 140th Middle Management Course of WAPDA Administrative Staff College

Mirpur University of Science and Technology MUST, Mirpur AJ&K hosted 140th Middle Management Course of WAPDA Administrative Staff College consists of 35 Officers who was lead by Mr. Anwar ul Haq General Manager / Principal WAPDA Administrative Staff College, Islamabad, Mr. Ghulam Ali, Course Director and Mr. Khawar Hussain Deputy Course Director.

Prof. Dr. Faisal Riaz Director, Offices of Research, Innovation and Commercialization (ORIC), Prof. Dr. Muhammad Naeem Iqbal Ratyal, Chairman Department of Electrical Engineering, Prof. Muhammad Khaleeq, Treasurer MUST, Dr. Muhammad Altaf, Director Student's Affairs, Dr. Zafar Ali Khan, Assistant Professor Department of Electrical Engineering and Mr. Imtiaz Ahmad Bhat, Director Network and Telecommunication Centre hosted the delegation of WAPDA Administrative Staff College, Islamabad. Prof. Dr. Faisal Riaz, Director ORIC with the help of multimedia briefed the delegation about the ongoing projects of the University, he also highlighted major achievements, advancements and international fame which Mirpur University

has attained. Director projected technology related accomplishments of ORIC, Faculty of Engineering and Technology, Faculty of Natural and Applied Sciences and milestones achieved by other faculties of the MUST, Mirpur AJ&K.

In question and answer session besides Prof. Dr. Faisal Riaz, Director ORIC, Prof. Dr. Naeem Iqbal Ratyal, Chairman Department of Electrical Engineering and Dr. Muhammad Altaf, Director Student's Affairs responded to the audience.

Prof. Dr. Naeem Iqbal Ratyal, Chairman Department of Electrical Engineering led the delegation during visit of MUST City Campus. Officers and faculty members of 140th Middle Management Course visited Central Library and Department of Electrical Engineering, Lab Directors briefed the participants about infrastructure & functions of Electronics Lab, Communication Lab, Circuit Lab, Power Distribution and Utilization Lab, Computer Labs, Post-Graduate Lab, High Voltage Lab, Digital Lab, Power System Protection & Transmission Lab, Machine Lab, Control Lab, Power Electronics Lab, Renewable Energy Lab and ETAP Lab. Mr. Anwar ul Haq General Manager / Principal WAPDA Administrative Staff College, Islamabad handed over college



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

MUST, Mirpur Organised Solidarity Walk to Observed Kashmiri Women's Resistance Day

shield to Prof. Dr. Naeem Iqbal Ratyal. 23rd February is observed as Kashmiri Women's Resistance Day in the entire State of Azad Jammu and Kashmir and rest of the World. The day commemorates the survivors of the mass rape and torture in the two villages of Kunan and Poshpora in Kashmir on 23Feb, 1991. The survivors from Kunan and Poshpora have become an iconic symbol of Kashmir's struggle against the Indian Occupation. Mirpur University of Science and Technology (MUST), Mirpur AJ&K observed the day in solidarity with the victims and survivors of this horrific war waged against the Kashmiris. Department of Education and Directorate of Student's Affairs of Mirpur University organized a Solidarity Walk in City Campus of



MUST, Mirpur where participants expressed their commitment to the people of Jammu and Kashmir.

A webinar titled "Do We Remember Kunan Poshpora?" was also organized by Department of Education from 1400 hours – 1500 hours. The speakers were Syed Faiz Naqashbadi, Leader APHC, Consultant Human Rights and International Law, Mrs. Shamim Shawl, Senior Leader All Parties Huriyat Conference, Dr. Shagufta Ashraf, Assistant Professor, Dept of Public Administration, University of Kotli & Human Rights Activist, specializes in Women's Rights also participated. The session

was moderated by Dr. Saira Farooq Shah, Assistant Professor Department of Education. The speakers shared the testimonies of the survivors, the aftermath of the incidence and the legal perspectives of the incidence in

Blue Day Breaks Gender Stereotypes: A Colorful Extravaganza at the English Department

light of international and humanitarian law. In a vibrant display of unity and breaking gender stereotypes, the English Department organized a Color Day event on June 17, 2023. This unique celebration saw both teachers and students adorning shades of blue, challenging the conventional perception that this color is exclusively favored by men. The event symbolized inclusivity, as the predominantly female faculty and student body wholeheartedly embraced the color blue.

Adding to the festivities, students set up stalls offering a delectable array of treats, including Pani Puri, Fruit Chaat, Mehndi application, and an extensive selection of jewelry. Remarkably, students not only invested their own funds into these stalls but also demonstrated remarkable enthusiasm in contributing to the event's success.

Notably, while the faculty generously supported the event by financially investing in the stalls, the focus was not solely on financial gain. The spirit of camaraderie and celebration prevailed, as the organizers, both students and teachers alike, exhibited unwavering dedication. Consequently, not only were they able to recoup their initial investments, but they also generated a commendable profit.

The English Department's Blue Day stands as a shining example of how unity and determination can break stereotypes and create a harmonious and profitable celebration that fosters a sense of togetherness within



Pakistan Engineering Council (PEC), Islamabad holds 2-Day OBA based re-accreditation visit of B.S.c Engineering Programs of MUST, Mirpur

the university community
The teams of Pakistan Engineering Council (PEC), Islamabad composed of Program Evaluators (PEVs) & PEC Representatives led by Engr. Prof. Dr. Imtiaz A.Taj, Team leader / Convener & Engr. Prof. Dr. Abdul Jabbar Sangi, Team Leader / Convener conducted two-day re-accreditation visit of Mirpur University of Science and Technology MUST, Mirpur AJ&K on August 28-29 August 2023 to evaluate the BS Electrical, Software, Computer, Mechanical and Civil Engineering programs of Faculty of Engineering of Mirpur University. Prof. Dr. Syed Hassan Mujtab Jafri, Dean Faculty of Engineering and Technology briefed the delegation regarding land & infrastructure, departments and running programmes, research publications of faculty members & status of PhD faculty, admission policies, curricular & co-curricular activities, health & sports facilities, professional development

programs of faculty & administrative staff. After the presentation the Conveners of visitation teams along with PEC representative visited wings of Registrar Office, Treasurer Office, Planning and Development, Project Directorate, Examinations, Engineering Departments and the general facilities of the institution (Classrooms, Labs, Examination Halls, Libraries, Cafeterias, Sports Complex, hostels & allied facilities) and thoroughly reviewed implementation of OBE system with evidences on nine main and 66 sub criteria. Teams of Pakistan Engineering Council showed satisfaction and suggested some minor improvements as part of continuous quality improvement. Engineering Departments of MUST, Mirpur AJ&K welcomed the suggestions and pledged its true implementation for greater interest of students.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

Two-Days Blood Donation Camp, hosted by MUST Blood Donation Society (MBDS)

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K inaugurated Two-Days Blood Donation Camp organized by MUST Blood Donation Society (MBDS) at City Campus of the University. Speaking to the participants of Day-1 of the event, Brigadier Younus Javed said that the gift of blood is to rejuvenate the humanity and mankind, as there is no substitute for human blood. It feels great to support and to be the part of such a noble cause, he added. Vice Chancellor commended the towering role of Mr. Hammad Arshad President MUST Blood

Donation Society (MBDS), Mr. Areeb Ahmed Mir, Advisor MBDS, Mr. Muhammad Usama Ayub, Co-Advisor MBDS and entire team (Comprised of Male & Female Students) of MUST Blood Donation Society.

Dr. Muhammad Altaf, Director Student's Affairs, Major (R) Muhammad Jahangir, Chief Security Officer MUST, Engr. Dr. Muhammad Naveed, Director Students Assistance Center, Mr. Ansir Ali Khan, Deputy Director Student's Affairs, Head of the Departments, Coordinators, Faculty Members, Administrative Staff, large number of students attended the event. On June 09, 2023 MUST Blood Donation Society established it's (DAY-2) Camp at facility of Health and Medical Sciences in which Prof. Dr. Anwar Khitab, Dean Faculty of Health and Medical Sciences was invited as Chief Guest to mark the closing ceremony.





Mirpur University
Friday, February 17, 2023
Hafeez Bin Mustafa

The Exigencies of the modern times dictate the digitalization of libraries to cope with emerging demands & to address the quest of knowledge: Brigadier Younus Javed

Mirpur University of Science and Technology MUST, Mirpur and Mian Muhammad Bakhsh Public Library Mirpur inked MoU to boost cooperation, mutual resource sharing, and exchange experience to digitalize the facilities.

Brig (R) Prof. Dr. Muhammad Younus Javed SI(M), Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur and Professor Abdul Razzaq Choudhary, Director Mian Muhammad Bakhsh Public Library, Mirpur signed a memorandum of understanding (MoU) on Friday, February 17, 2023 at 1030 hours, in Mian Muhammad Bakhsh Public Library, Mirpur AJ&K.

The Memorandum of Understanding (MoU) covers following major areas: -

1. Mirpur University of Science and Technology (MUST) Digital Library VPN access service.
2. Provision of Online Public Access Catalogue of both libraries.
3. Mutual resource sharing for both Library Users.

MUST, AAINA Society organised certificates distribution ceremony for position holders of all Pakistan / AJ&K calligraphy competition

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur graced the merit certificates distribution ceremony of all Pakistan calligraphy competition, held in the Video Conference of City Campus of Mirpur University on Wednesday, December 14, 2022 at 10:00 am. Brigadier Younus Javed, Vice Chancellor MUST handed over merit certificate to the who have attained first, second and third position in all Pakistan and AJ&K calligraphy competition and organisers of the event.



Ceremony was attended by eminent journalists Mr. Altaf Hameed Rao, Mr. Zeeshan Ashiq, Advisor MUST, AAINA Society, Dr. Muhammad Altaf, Director Student's Affairs, Lt Colonel (R) Muhammad Usman, Chief Security Officer, Mr. Imtiaz Ahmed Butt, Director NTC and Mr. Hafeez Bin Mustafa, Public Relations Officer MUST, Mirpur.

Chief Executive Officer, Punjab Educational Endowment Fund (PEEF), was called on VC MUST, Mirpur

Mr. Muzaffar ul Haq Hashmi, Chief Executive Officer, Punjab Educational Endowment Fund (PEEF), was called on Brig (R) Prof.

Dr. Muhammad Younus Javed SI(M) Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur AJ&K at University Secretariat Jari Khas on Tuesday, June 13, 2023.

Mr. Rana Nasir Subhani, Manager Verification and Disbursement PEEF, Mr. Muhammad Usman Islam Officer Verification and Disbursement PEEF and Engr. Dr. Naveed Akram, Director Students Assistant Centre (SAC) also took part in the interactive session.



Three-Day Long Capacity Building Workshop under United States Educational Foundation in Pakistan (USEFP)

Mirpur University of Science and Technology MUST, Mirpur AJ&K & University of Gujrat jointly organised a Capacity Building Workshop designed to equip university educators with advanced teaching methodologies and skills to foster enriched learning experiences. The workshop, attended by a diverse group of university teachers and scholars, featured insightful sessions, interactive discussions, and was graced by the presence of the esteemed Dean of Faculties of both universities. The workshop featured prominent speakers and facilitators who are renowned in the field of education and pedagogy.

In her keynote address, Prof. Dr. Tehseen Ghous Dean Faculty of Social Science and Humanities MUST, Mirpur emphasized the



pivotal role of quality education in shaping the future of society. She underscored that educators bear the responsibility of nurturing critical thinking, creativity, and holistic development in students. Prof. Dr. Zahid Yousaf, Dean Faculty of Arts University of Gujrat while addressing participant and senior faculty member, said that aim of these workshops are to provide ample networking opportunities for attendees to connect with like-minded individuals, experts, and potential collaborators. The networking sessions allowed participants to forge new partnerships and explore avenues for collective action and support.

Addressing the closing ceremony Muhammad Kashif Najeeb, Coordinator Department of Mass Communication MUST, Mirpur said that this workshop enhanced the skills of teachers and strengthened their determination to drive positive change in their communities. The capacity building workshop's impact is expected to ripple through various spheres, with participants becoming change agents in their respective fields he further added. Dr Bilal Bhatti Focal person for capacity building workshop thanked all the participants, experts, and facilitators for making the workshop successful and said that this event served as a testament to the institution's commitment to academic excellence and its vision to cultivate a generation of empowered learners equipped to tackle global challenges.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

Development of MUST Campuses are among top priority: Brigadier Younus Javed, VC MUST

Brig.(R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur visited MUST Pallandri Campus on Wednesday, August 17, 2022. During the visit Vice Chancellor was also accompanied by Dr. Muhammad Altaf, Director Student's Affairs MUST. Dr.Tariq Aziz, Coordinator, Pallandri Campus along with Campus Faculty and Administrative Staff received honorable

Vice Chancellor MUST. Campus Coordinator briefed VC MUST on Academic activities & Administrative matters of the Campus.

Brigadier Younus Javed while inspecting the Campus facilities had interactive sessions with faculty and students. Vice Chancellor directed Coordinator and faculty to give their utmost for the growth of the departments and for providing quality of education to University students. Brigadier Younus Javed while addressing the Campus officials threw light on the shortcomings provided guidance for improvement and assured that University Administration will give full support for the development of the Pallandri Campus.





Mirpur University
Wednesday, November 09, 2022
Hafeez Bin Mustafa

Since the dawn of civilization to the present world of touch and go, history has seen such extra ordinary & remarkable personalities which completely changed the course of life of people; such is the personality of Iqbal which is a true role model for youth in shaping a prosperous Pakistan: Brigadier Younus Javed

In a message on the occasion of Iqbal Day, Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur paid rich tribute to greatest philosopher, thinker and poet of the Muslim world, Allama Muhammad Iqbal.

Brigadier Younus said, renowned poet of the East, sparked the youth of the subcontinent with his powerful poetic version, stirred their will for re-emergence to the lost magnificent glory of thousands years & acquainted them with that very idealism from which arises the incredible reality of Pakistan.

He further said, Iqbal channelized the potential & energies of youth by inculcating them that knowledge without power does bring moral elevation but cannot give a lasting culture. Power without knowledge tends to be destructive. Therefore, both must combine to make the great nation. Iqbal was real advocate of the divine and eternal message of Islam, desired to see a model with no discrimination in name of cast, creed and religion. He aimed at human welfare and declared mentioned values as basis for the unity of Islamic world and his iconic writings in Urdu and Persian have attained global acclaim, he added.

Youth Development Center of Mirpur University (YDC-MUST) held a Seminar on "Entrepreneurs Cross the Fine Line between Crazy and Genius"

Dr. Qurah-tul -Ain, Head of the Departments of Public Administration, University of Kotli (UoK) spoke to a seminar as Guest Speaker, organised by Dr. Moshin Zafar,

In charge Youth Development Center of Mirpur University of Science and Technology MUST, Mirpur AJ&K on Thursday, May 25, 2023. In the welcome note the Focal person of the Youth Development Center MUST, Dr. Mohsin Zafar briefly highlighted the importance and ongoing activities at YDC-MUST. He also welcomed the guest speaker and thanked her for paying a visit to the MUST.

Dr. Qurah-tul -Ain, delivered a comprehensive talk on Entrepreneurs cross the fine line between Crazy and Genius. She briefed the participants of the seminar about the successful entrepreneurs and how a young university graduate can explore and convert their ideas by considering the bold, grand and audacious vision that others may perceive as crazy. They dare to challenge the status quo and envision possibilities that seem far-fetched to most people. Their ability to think big and dream beyond conventional limits sets them apart.

Similarly, she elaborated that successful entrepreneurs embrace risk and are willing to venture into the unknown. They are comfortable with uncertainty and are not afraid to take calculated risks to pursue their goals. This fearlessness can appear crazy to some, as they are willing to bet their time, resources, and reputation on their ideas. While on the other hand entrepreneurs face numerous obstacles and failures along their journey. What separates them is their unwavering determination and persistence. They possess an unyielding belief in their ideas, often refusing to give up even when the odds seem stacked against them.

The guest speaker emphasized on the young

graduates that they must constantly push boundaries, experimenting with new ideas and approaches and that must be willing to explore unconventional paths and explore uncharted territories to achieve their dreams. The students had a detailed answer and question session with the guest speaker, and they shared many viable ideas on the subject title of the seminar.

Certificates were awarded to the student's members of the organizing committee from the department of Sociology and English. At the end, Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor, MUST, Mirpur AJ&K presented a shield to the guest speaker and thanked for her visit to the MUST and for future collaborations.





One-Day Seminar on “Thinking, Decision-making, Problem solving & Creativity – Organised by Youth Development Center of MUST



Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor, Mirpur University of Science and Technology MUST, Mirpur AJ&K graced One-day Seminar on Thinking, Decision-making, Problemsolving & Creativity. Guest Speaker, Colonel (R) Bakhtiar Hakeem, Secretary General Thinkers Forum Pakistan delivered a talk on seminar jointly organized by Youth Development Center of MUST, Mirpur, Department of International Relations and Department of Electrical Engineering in the Mechanical Hall of the City Campus of the Mirpur University on Wednesday, May 17, 2023 at 1000 hrs.

Speaking on the occasion Brigadier Younus Javed, thanked Guest Speaker Colonel Bakhtiar Haleem, Secretary General Thinkers Forum Pakistan for delivering valuable knowledge to the University Students which will enable them to improve their knowledge,

understanding of the changing World and personal expansion to cope with the modern challenges of marketability. He lauded the efforts of Dr. Moshin Zafar In charge Youth Development Center.

Event was attended by Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities, Chairpersons, Faculty members and Students of the Department of International Relations and Electrical Engineering. Brigadier Younus Javed, Vice Chancellor MUST, Mirpur AJ&K presented shield to Guest Speaker, Colonel Bakhtiar Haleem, Secretary General Thinkers Forum Pakistan. Honourable Vice Chancellor & Guest Speaker distributed certificates amongst the organisers of the event.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



MUST, Mirpur Hosts Inland Study Tour (IST) of 32nd Senior Management Course, National Institute of Management (NIM)

Exposure Visit of National Institute of Management (NIM) Lahore to Mirpur University of Science and Technology (MUST), Mirpur AJ&K was held on Tuesday, January 31, 2023 from 0900-1100 hours. Prof. Dr. Zafar Iqbal, Director, MUST Business School along with Prof. Dr. Muhammad Aslam, Dean, Faculty of Natural and Applied Sciences, Prof. Dr. Naeem Iqbal Ratyal, Chairman, Electrical Engineering Department and other University officials paid warm welcome to the NIM delegation at City Campus of MUST, Mirpur. The delegation was comprised of near 17 Officers BS-19 of Inland Revenue Department from Federal, Provincial and other services, who were having their course at National Institute of Management (NIM) to compete for next promotion. This exposure visit has been important component of their course for senior management. The purpose of the visit was to interact with policy makers and institutions for the better understanding of national issues & policies. It was also aimed to know about the functioning, management practices, major achievements, challenges and future plans of Mirpur University of Science and Technology (MUST), Mirpur. An interactive session along with presentation about the functioning, activities, achievements of MUST was arranged in

Electrical Hall of Electrical Department. In opening remarks of the exposure visit, Prof. Dr. Zafar Iqbal, Director MUST Business School welcomed the delegation at MUST. He also thanked to the top management of National Institute of Management (NIM) for considering and honoring the MUST for such a visit, he briefed about the organizational structure of Mirpur University and its contributions & achievements at state, national & international level. He further highlighted major accomplishments of the Mirpur University in creating an environment of research and innovation that has positively impacted society, industry and economy through fostering strong industrial networks. After presentation, a comprehensive discussion about the issues, challenges and policies was debated. The officers asked questions about the functioning and activities of the MUST which were responded by MUST officials. Prof. Dr. Zafar Iqbal concluded the session while management of NIM appreciated and thanked for the fruitful visit and discussion. Moreover, as part of the exposure visit, the officers also visited the main library of the MUST and appreciated the engagement of students in scholarly work. They also visited to the NTC Department and had a brief presentation given by the Director NTC about the network communication in the MUST. After visiting the MUST, the management of NIM thanked to the Prof. Dr. Zafar Iqbal, Director MBS for the great visit and reassured the collaboration in the future.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Brigadier Younus Javed, VC MUST, Mirpur AJ&K, in demonstration of commitment to the noble cause, inaugurated Pink Ribbon campaign and led the “Breast Cancer Awareness Walk” to galvanise the spirit & give hope against the disease which is spreading at alarming rate in Pakistan

The Pink Ribbon Ceremony organised by the Department of Mathematics of Mirpur University of Science and Technology MUST, Mirpur AJ&K was inaugurated by Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor of Mirpur University in the City Campus on Friday, October 20, 2023. Inaugural ceremony was followed by Breast Cancer Awareness Walk & a Seminar in Science Block.

Speaking on the occasion Brigadier Younus Javed appreciated the initiative of Dr. Rashida Hussain for holding awareness programme on

one of the very most neglected, overlooked & under-prioritised health problems of Pakistan. Vice Chancellor stressed the significance of early detection which can increase the chances of successful treatment, encouraged regular screenings, self-examinations, denounced associated myths & misconceptions with subject disease and shared various examples of patients who were suffering from Breast Cancer & struggles which they faced in way of treatment.

Event was participated by Prof Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities, Prof. Dr. Muhammad Aslam, Dean Faculty of Natural and Applied Sciences, Prof. Dr. Rashida Hussain, Chairperson Department of Mathematics, Maj (R) Jahangir Ahmed Khan, Chief Security Officer, Dr. Muhammad Altaf, Director Student's Affairs, Mr. Muhammad Ayub, Director Estate Management, Mr. Ansir Ali Khan, Deputy Director Student's Affairs, Faculty Members & Students of various departments.







Mirpur University convenes its 19th University Syndicate Meeting

Vice Chancellor, Brig. (R) Prof. Dr. Muhammad Younus Javed SI(M) presided over the 19th Meeting of the University Syndicate on Friday, August, 05, 2022 at 10:00 hrs. in Conference Room of MUST Secretariat Jari Khas. Vice Chancellor in his opening remarks highlighted the importance of the second highest executive body that exercises general supervision over the affairs and management of the University in accordance with the vested powers. Vice Chancellor further said that the objective of the meeting was to discuss prevailing issues of the University, to reach a consensus decision for settlement of the presented matters and to promote cohesion in the University executive.

Prof. Dr. Khazir Ul Haq, Registrar MUST / Secretary Syndicate, presented Minutes of the

18th Meeting of the Syndicate held on March, 03, 2022 and its implementation report to the House. Later Secretary Syndicate presented Agenda Items of the 19th Meeting of the Syndicate to the honourable members of the subject meeting for approval / endorsement of the Syndicate. Items included appointments of Chairpersons / Coordinators, Transfer and re-designation of the positions, Mechanism of fuel cost Adjustment, Study leaves extension, Endorsement / Implementation of various HEC notifications, Recommendations for establishment of departments and various other natures of administrative matters of the University.



Institute of Islamic Studies of Mirpur University Organized One-Day Educational Seminar on Mutala Seerat- un-Nabi SAW

Brigadier (Retired) Professor Dr. Muhammad Younus Javed SI (M), who serves as the Vice Chancellor of Mirpur University of Science and Technology (MUST) in Mirpur, AJ&K, assumed the role of presiding over a seminar hosted by the Institute of Islamic Studies at Mirpur University. The event took place on Thursday, February 23, 2023, commencing at 11:00 hours within the Mechanical Hall of the City Campus of Mirpur University.

Dr. Asghar Ali Khan, Director Institute of Islamic Studies in opening remarks welcomed the guests and delivered an insightful talk to the audience on the life of the Holy Prophet Muhammad (PBUH), later he talked about the current social challenges & presented a plan of action to act upon the teaching of the Holy Prophet Muhammad (PBUH) in the society. Dr. Ishtiaq Ahmed Gondal, Professor Sheikh Zayed, Islamic Center Jamia Punjab gave a detailed and reasoned discussion on this topic in the context of studying the biography of the Prophet Muhammad (PBUH) and explained the biography of Prophet Muhammad (PBUH) in front of the participants of the seminar, in which students and scholars were emphasized about their responsibilities & role in the society.

Brigadier Younus Javed, Vice Chancellor MUST in his address commend the role of Director, Institute of Islamic Studies, Faculty Members, organizing societies and students for holding the Seminar on most important topic, practicing upon one can become a good human being and it can entirely change the way of life. Seminar was concluded with prayer.





Mirpur University
Friday, January 27, 2023
Hafeez Bin Mustafa

University of Kotli (UoK) bids farewell to out-going Vice Chancellor, Brigadier Younus Javed Sitara-i-Imtiaz Military for his towering, tireless & unswerving contributions, which would leave indelible mark on the history of UoK

In recognition of magnanimous & astounding services rendered, University of Kotli (UoK) hosted a farewell ceremony in the honour of its out-going Vice Chancellor, Brig. (R) Prof. Dr. Muhammad Younus Javed Sitara-i-Imtiaz Military. Country's distinguished & renowned Professor was given charge of Vice Chancellor, University of Kotli (UoK) on September 26, 2022 in recognition of his outstanding contribution in leading engineering fields while representing Pakistan as International evaluator and owing to his decades long meritorious services for the growth, uplift and development of education system of Pakistan and State of Jammu and Kashmir. The farewell ceremony was held on Friday, January 27, 2023 at 1030 hours in multipurpose Hall of University of Kotli (UoK). Newly appointed Vice Chancellor of UoK, Prof. Dr. Rehmat Ali Khan, Deans of Faculties, Principal Officers, Head of Departments, Faculty Members and Administrative Staff participated in the event to pay respect and honour the services of Brigadier Younus Javed.

Dr. Iftikhar Hussain, Registrar UoK commended and lauded the visionary leadership of Brigadier Younus Javed, former Vice Chancellor UoK / Vice Chancellor MUST under which UoK accomplished various milestones.

Happy Children's day

Home Economics Department of MUST, celebrated the Happy Children's day, with red theme.





Mirpur University holds the 15th meeting of the Academic Council

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur presided 15th Meeting of Academic Council (highest Academic body of the University) on Wednesday, August 03, 2022 at 14:00 hrs in Video Conference Room of MUST City Campus. Brigadier Younus Javed, Vice Chancellor Mirpur University expressed a warm welcome to the Members of the Academic Council. Vice Chancellor while talking to the participants of the forum said Academic Council carries indispensable role in running the academic affairs and other duties of faculty governance of the University. Prof. Dr. Khazir Ul Haq, Registrar MUST/ Secretary Academic Council presented Implementation Report on the decisions of the Meeting of the 14th Academic Council, Minutes of the Meeting of 14th Academic Council and the agenda points of 15th Meeting of the Academic Council for approval. The

Council considered and deliberated upon the Agenda Items of the meeting for approval. The Academic Council also recommended, Endorsement of HEC Undergraduate Education Policy 2020, Recommendations of Scheme of Studies for Associate Degree Program (ADP), Recommendations for the Establishment of the Departments, Recommendation for the Constitution of the Departmental/Faculty Councils, Recommendations of Faculty Council, Faculty of Engineering & Technology, and Recommendations of the 4th Faculty Council Meeting, Faculty of Social Sciences & Humanities to the Syndicate / Senate of the University.

The Council showed its satisfaction over the running academic programmes of Mirpur University. Brigadier Younus Javed thanked all the participants & appreciated Prof. Dr Khazir Ul Haq, Registrar MUST / Secretary Academic Council and Mr. Muhammad Naveed, Deputy Registrar.



VC MUST inaugurated monsoon tree plantation drive 2022 at Jari Khas

Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur inaugurated monsoon tree plantation drive by planting a sapling at main gate of MUST Secretariat Jari Khas on Thursday, August,



25, 2022 at 09:00 hrs. Dr. Muhammad Altaf, Director Student's Affairs, Dr. Sajjad Manzoor, Chairperson, Department of Computer System Engineering, Dr. Naseem Akhtar, Director Graduate Placement Bureau, Mr. Duad Ali Siddique, SPS to Vice Chancellor, Mr. Kashif Najeeb, Coordinator, Department of Media and Communication Studies, Mr. Muhammad Ayub, and Director Estate Management.



Brigadier Younus Javed was called on President of the State of Azad Jammu & Kashmir /Chancellor MUST

Brig. (R) Prof. Dr. Muhammad Younus Javed SI(M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur called on Barrister Sultan Mehmood Chaudhary, President of the State of Azad Jammu & Kashmir /Chancellor MUST on Saturday, September 23, 2023 at President Secretariat, Kashmir House Islamabad.





International Women's Day 2023



Paramount respect & salute to the indomitable spirit, courage and stellar achievements of the women of the entire globe: Brigadier Younus Javed, Vice Chancellor MUST AJ&K

Department of Home Economics of MUST, Mirpur AJ&K in collaboration with Khadija Zareen Khan Foundation (KZK) commemorated International Women's Day (IWD 2023) with theme "Digit ALL Innovation and technology for gender equality". Brig (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur and Ms. Khadija Zareen Khan, CEO of Khadija Zareen Khan Foundation graced the event held in Mechanical Hall of the City Campus of the Mirpur University on Wednesday, March 08, 2023.

Students of the Department of Home Economics presented various documentaries on multiple media /displayed tableau which were reflecting women's contributions, leading role in building the society and their tremendous struggle for making this modern world. Ms. Nasreen Tariq, Coordinator Department of Home Economics, Ms. Asma Ali Shan, Law Officer, Women Development Department, Government of AJ&K and faculty members expressed their views regarding the importance of the day and things need to be done for gender equality and women's empowerment.

Speaking on the occasion Brigadier Younus Javed, Vice Chancellor MUST Mirpur AJ&K

said that the day inspires us to renew our pledge to make women an equal and integral part of the journey of life, which will immensely bring growth and development of the globe. One should not forget that there is lot more to be done in the society to protect the women, have a role to play in to further ensure that all girls women & gender diverse people have every opportunity to pursue their dreams of life he added.

Honourable Vice Chancellor commended marvelous efforts of the Ms. Khadija Zareen Khan, CEO, KZK, Ms. Nasreen Tariq, Coordinator Department of Home Economics, Mr. Zohaib Zaman, renowned Kashmiri Singer, Faculty Members and Students of the Department of Home Economics for organizing the International Women's Day 2023 and handed over shields to Ms. Khadija Zareen Khan, CEO, KZK, Prof. Dr. Tahseen Ghous, Dean Faculty Social Sciences and Humanities, Ms. Nasreen Tariq, Coordinator Department of Home Economics and faculty members. Participants of the event also received certificates from Vice Chancellor MUST & CEO KZK.

Chief Guest Ms. Khadija Zareen Khan, CEO of Khadija Zareen Khan Foundation thanked Brigadier Younus Javed for providing University platform to celebrate the International Women's Day, motivated & encouraged the participants to work for the gender equality.

The event was attended by Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences

and Humanities, Prof. Dr. Rashida Hussain, Chairperson Department of Mathematics, Prof. Dr. Naeem Iqbal Ratyal, Chairman Department of Electrical Engineering, Dr. Muhammad Altaf, Director Student's Affairs, Mr. Daud Ali Siddique, Senior Private Secretary to the Vice Chancellor, Chairpersons, faculty members and Students of the University.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



VC MUST, Mirpur Chaired Mirpur University's 11th Meeting of Finance and Planning Committee

Brig. (R) Prof. Dr. Muhammad Younus Javed SI(M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur AJ&K presided over the 11th Meeting of the Finance and Planning Committee to discuss financial matters of the University on Wednesday, April 5, 2023 at 1030 hours in the Conference Room of MUST Secretariat Jari Khas.

Prof. Dr. Muhammad khalique Treasurer MUST/ Secretary Finance and Planning Committee presented the agenda items of the 11th Meeting of F&P & briefed the attendees. On same, detailed discussion was carried out by the members of the committee. The House lauded and commended the steps taken by Brigadier Younus Javed, Vice Chancellor MUST, Mirpur AJ&K and his financial team for resurrection of financial health and transparency of funds.





MUST, Mirpur AJ&K Secures 24 Million Grant for Establishment of Business Incubation Center, Under Charismatic & Dynamic Leadership of Vice Chancellor MUST, Mirpur

Mirpur University of Science and Technology (MUST), Mirpur AJ&K secured significant grant of Rs. 24 million by the Higher Education Commission (HEC) Islamabad for the establishment of a state-of-the-art Business Incubation Center at MUST, Mirpur AJ&K. This achievement reflects the unwavering dedication and hard work of Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor MUST, Mirpur AJ&K and his exceptional team.

The Business Incubation Center at MUST, Mirpur will serve as a transformative platform to foster entrepreneurship and innovation in the region.

This center aims to provide aspiring entrepreneurs with the necessary resources, mentorship, and infrastructure to transform their innovative ideas into successful businesses. By nurturing a culture of innovation and entrepreneurship, MUST is determined to contribute to the economic growth and development of AJ&K and beyond.

The grant, awarded by the HEC, serves as a testament to the academic excellence and research capabilities of MUST. In recognition of Mirpur University's commitment to the project, the HEC has also set a condition that the university must contribute an additional amount of Rs. 15 million towards the establishment of the Business Incubation Center. This requirement highlights Mirpur University's dedication to investing in cutting-edge facilities and programs that promote innovation and support the entrepreneurial ecosystem.

A webinar hosted by the Directorate of Network & Telecommunication Centre (NTC) of Mirpur University of Science and Technology (MUST), Mirpur AJ&K.

Network & Telecommunication Center of

Kashmir Issue under the Prism of Emerging Challenges in New Global Political Reorientations

Mirpur University of Science and Technology (MUST), Mirpur AJ&K organized a Webinar on Kashmir issue titled: "Kashmir issue in new Global Political Reorientations" on Friday, February 17, 2023 at 1800 hours in Video Conference Room of MUST in City Campus through Zoom.

Mr. Muhammad Shakeel, former Station Director Radio Mirpur AJ&K / Moderator of Webinar on Kashmir issue and Mr. Imtiaz Ahmad Bhat, Director NTC of Mirpur University, conducted the proceedings / technical support of the event.

Dr. Ghulam Nabi Fai, Secretary, Washington-based World Kashmir Awareness Forum, Mr. Ghulam Muhammad Safi, Convener Tehreek-e-Hurriyat, Jammu & Kashmir, Mr. Ali Raza Syed, Chairman of Kashmir Council European Union (KCEU), Dr. Mubeen Shah, Ex-President, Kashmir Chamber of Commerce & Industry and Mr. Tamoor Akbar Chaudhary, Assistant Professor, Department of International Relations, Mirpur University of Science and Technology MUST, Mirpur AJ&K were the participants of the Webinar.

On topic of Kashmir issue and new global Political reorientations Chaudhary Taimoor Akbar, Assistant Professor MUST, AJK in his address thanked NTC, for organizing the webinar on such an important and core issue. He applauded that MUST frequently organized the seminars, rallies, walks and roundtable talks on Kashmir issue to give insight into the MUST fraternity. He said that lack of in depth understanding of the issue of Kashmir is a major concern of both the Pakistani and Kashmiri students and this is the period of information flood and Indian propaganda is more dominant regarding the issue of Kashmir. He said that it is the right time to propagate the issue of Kashmir in every legal forum. He also recommended that the Kashmiri diaspora need to be more



active and dynamic.

Dr Ghulam Nabi Fai, Secretary Washington – based World Kashmir Awareness Forum emphasized on organizing such seminars as these activities are helpful to keep the Kashmir issue alive otherwise if there will be no activity regarding Kashmir issue, India will make the world believe that there is no issue of Kashmir. He said that the Indian democracy is dying in the silence of Kashmir. He also said that we should stick to the implementation of UN Resolutions through impartial plebiscite.

Dr. Mubeen Shah, Ex-President, Kashmir Chamber of Commerce & Industry, said that Pakistan should take more steps in highlighting the Kashmir issue. Right of self-determination should be the theme of everyone. All stakeholders should have consensus on one point and that is the implementation of UN resolutions through a plebiscite. He also said that the world must understand that Genocide in Kashmir has already begun. Re-pledge support to the Kashmir cause across all political parties & stakeholders within Pakistan with all options available. Will Pakistan look the other way if God forbid India attacks Lahore? Pakistan should not bank on bilateral negotiations, and every now and then get an answer which does not change anything on the ground. As has already been intimated to the State of Pakistan by the JOINT RESISTANCE LEADERSHIP (JRL) that Pakistan should revoke Shimla Agreement after India re-annexed IOJK on Aug. 05, 2019, Kashmiris feel the time is yet on their side that Islamabad takes steps towards this end. We are confident if all of us act with unity of thought and, action we will be successful in our just & holy cause.

Ali Raza Syed, Chairman of Kashmir Council European Union, discussed that how can we get the right of self-determination and how can we present our case before world powers, the Kashmir issue should be part of syllabus. There should be section or department of human rights in all universities of AJK and the data should be maintained regarding the atrocities so that India may be

held accountable at different forums.

Ghulam Muhammad Safi, Convener, Tehreek-e-Hurriyat, Jammu and Kashmir said Cubic opted to go with Canada. They decided through plebiscite to access to Canada when they were asked. Similarly Kashmiri want to be herd like the people of Cubic, South Sudan or others where the people were given the right of self-determination. All the parties of Kashmir have agreed on one point and that is right of self-determination. Jammu and Kashmir issue is not an issue of piece of land, but it is the issue of people of Jammu & Kashmir and it is the issue of human rights. After the revocation of article 370 and 35A the demography is being changed and India is violating international laws. Voice of people is being suppressed with force, guns, and bloodshed. India inducted millions of non-state people in Kashmir to change the demographic situation in Indian illegally occupied Kashmir. We must always be trying for the freedom, Allah Almighty will help us and the people of Jammu & Kashmir will attain freedom one day InshaAllah.



All the parties of Kashmir have agreed on one point and that is right of self-determination. Jammu and Kashmir issue is not an issue of piece of land, but it is the issue of people of Jammu & Kashmir and it is the issue of human rights. After the revocation of article 370 and 35A the demography is being changed and India is violating international laws.

Vice Chancellor MUST, Mirpur Chaired Departmental Accounts Committee (DAC)

Brig (R) Prof Dr Muhammad Younus Javed, SI (M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur chaired the Departmental Accounts Committee (DAC) on Wednesday, January 04, 2023 at 1200 hrs in Conference Room of MUST Secretariat Jari Khas.

Mr. Aziz Ullah, Director of Audit Higher Education Commission (Islamabad), Mr. Sagheer Ahmed Salaria (Deputy Secretary of Finance, Budget) and Mr. Muhammad Altaf Naqvi (Director of Audit, Expenses) were the external members of the DAC.

The meeting of the Departmental Accounts Committee was conducted by Prof. Dr. Muhammad Khalique (Treasurer MUST/ Secretary DAC), Mr. Abdul Kareem (Audit Officer MUST), Mr. Karamat Subhani (Internal Check Officer MUST) and Administrative Staff of the Treasurer Office. Honourable Vice-Chancellor commended the active role of Treasurer MUST/ Secretary DAC, Audit Officer and Internal Check Officer for the professional handling of the raised matters. Deans of faculties, HoDs, Directors, Assistant Director Budget and Account Officer also participated in said meeting.



VC, MUST received Convocation Shield from honorable Engr. Muhammad Baligh ur Rahman, Governor Punjab

Brig.(R) Prof. Dr. Muhammad Younus Javed SI(M) Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur received Convocation Shield from honorable Engr. Muhammad Baligh ur Rahman, Governor Punjab / Chancellor HITEC University at Convention Centre, Islamabad, on 5th Convocation of HITEC University, Taxila.





VC MUST, Mirpur AJ&K Inaugurated Plantation Drive 2023 Ventured by Directorate of Fundraising & Student's Affairs



The Vice Chancellor, Mirpur University of Science and Technology (MUST), Brig (R) Prof. Dr. Younus Javed, inaugurated the Plantation Drive at the city campus. He was accompanied by the honorable member Senate, Professor Muhammad Zaheer Chaudhary (Former Chairman BISE Mirpur), Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences, Prof Dr Muhammad Aslam Dean Faculty of Natural and Applied Sciences, Prof. Dr. Naeem Iqbal Ratyal, Chairman Department of Electrical Engineering, Prof Dr Rashid Hussain, Chairperson Department of Mathematics, Dr. Mohsin Zafar, Director Fundraising, Dr. Muhammad Altaf, Director Student's Affairs, Mr. Muhammad Ahsen, Deputy Director Sericulture Afzalpur, various HoDs, Faculty Members and a large number of students . The drive was arranged by Dr. Mohsin Zafar, Director Fundraising, Dr. Muhammad Altaf,

Director Student's Affairs along with the help of Mr. Muhammad Ayub, Director Estate and Green Youth Movement (GYM). Brigadier Younus Javed thanked the Department of Sericulture, Government of AJ&K for planting 2000 mulberry plants at Jari Khas campus during this drive. He further said this drive will help national efforts to keep our Country safe from the hazards of climate change. Under this drive, massive plantation will be done at different campuses for a whole week.



Brigadier Younus Javed thanked the Department of Sericulture, Government of AJ&K for planting 2000 mulberry plants at Jari Khas campus during this drive.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Quality Enhancement Cell - Controller of Examinations hold joint presentation session to boost synergy & cohesion of University apparatus

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur chaired a high level meeting to review the administrative and academic operations of Mirpur University. Meeting was held on Tuesday, October 18, 2022 at 10:00 hrs in Video Conference Room of the City Campus of the University. Worthy Vice Chancellor MUST commended the services & role of Prof. Dr. Muhammad Aslam, former Director Quality Enhancement Cell (QEC) / Chairperson Department of Chemistry and extended warm welcome to Dr. Azhar Hussain, newly

appointed Director Quality Enhancement Cell (QEC).

Dr. Azhar Hussain, Director Quality Enhancement Cell (QEC) and Mr. Kamran Hameed, Controller of Examinations MUST briefed the participants on various aspects through presentation & suggested ways and means to further enhance efficiency of existing system. Brigadier Younus Javed while addressing the University's top management stressed to promote culture of research, innovation and collaboration with national and international leading universities and institutions as future lies in joint venture and close cooperation. He further said that all quarters should do their utmost to create conducive environment for University students and facilitate them in academic and day to day administrative activities.



Additional Chief Engineer at Pakistan Water and Power Development Authority / Advisor to Water & Power Development Authority for Rehabilitation, Refurbishment & Upgradation of Hydel Power Stations / Member Governing Body Mechanical (Punjab) Pakistan Engineering Council (PEC) was called on VC MUST

Meer Abdul Qayyum Babar former Additional Chief Engineer at Pakistan Water and Power Development Authority / Advisor to Water & Power Development Authority for Rehabilitation, Refurbishment & Upgradation of Hydel Power Stations / Member Governing Body Mechanical (Punjab) Pakistan Engineering Council (PEC) was called on Brig (R) Prof. Dr. Muhammad Younus Javed SI(M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur at University Secretariat Jari Khas on Monday, November 07, 2022 at 12:00 hrs. Matters of mutual interest, University ongoing projects, country's education policies, Vice Chancellor's recent visit of GITEX Global 2022 at Dubai World Trade Center and various other areas of mutual interest were discussed.



Mirpur University observed the First Death Anniversary of Veteran Kashmiri leader Syed Ali Shah Geelani

To observe the first death anniversary of All Parties Hurriyat Conference (APHC)

leader Syed Ali Shah Geelani, Directorate of Student's Affairs in collaboration with Institute of Islamic Studies (IIS) of Mirpur University of Science and Technology (MUST), Mirpur organised a seminar to pay tributes Baba-e-Hurriyat for his lifelong struggle for right to self-determination of oppressed Kashmiris, on Thursday, September 01, 2022 at 12:00 hrs. in Mechanical Hall of the City Campus of the University.

Dr. Muhammad Altaf, Director Student's Affairs, Dr. Sara Shah, Coordinators Department of Education, Dr. Asghar Ali Khan, Director Institute of Islamic Studies (IIS) Dr. Sajid Ahmed, former Director Institute of Islamic Studies (IIS), Dr. Thair Aslam Assistant Professor IIS, Dr. Razi Razvi Assistant Professor Department of Education, Mr. Mustafa Anaqlabi, Lecturer IIS delivered their talks to highlight the various aspects of Ali Shah Geelani's uncompromising struggle for the people of Jammu and Kashmir, supreme sacrifices he made during the whole journey and how he became popular symbol of resistance against Indian occupational forces. They further added Youm-e-Baba-e-Hurriyat will continue to inspire young people of Jammu and Kashmir to unite against brutal, barbaric & primitives acts on innocent Kashmiris by Indian security forces.





MUST, Mirpur AJ&K organised a Seminar on Youm-e-Takreem-e-Shahuda Pakistan

Directorate of Student's Affairs of Mirpur University of Science and Technology (MUST), Mirpur AJ&K in collaboration with Institute of Islamic Studies organized a seminar to observe Pakistan Martyrs' Day on Thursday, May 25, 2023 in the Mechanical Hall of the City Campus of the University.

Dr. Asghar Ali Khan, Director Institute of Islamic Studies, Dr. Thair Aslam, former Director IIS, Dr. Shahbaz Shabbir and students of the departments spoke in the honor of the selfless sacrifices of martyrs of Pakistan. Speakers said eternal sacrifices and bravery of martyrs of Pakistan Army, Rangers, Police and other security agencies is unforgettable and strongly condemned the traumatic & tragic incidents of 9th May. At the culmination of the event special dua was offered for martyrs of Pakistan, who laid down their lives in defence of the Pakistan. Event was attended by Dr. Thair Aslam, former Director IIS, Dr. Sajid Ahmed, former Director IIS, Mr. Ansir Ali Khan, Deputy Director Student's Affairs, Mr. Naveed Shah, Admin Officer, Faculty members, Administrative Staff and Students of the Department.



Brigadier Younus Javed, VC MUST, Mirpur AJ&K successfully enlisted Mirpur University as PEC's Designated Entity to conduct Entry Tests for Engineering programs

In August 2022, Pakistan Engineering Council (PEC) the apex body of Engineering in Pakistan after making extensive discussions in 45th Vice Chancellors Committee (VCC) meeting, took a policy decision & introduced a Mechanism for Unified Entry Test. Accordingly, for Admissions in all Engineering programs, bodies which were formed for execution of subject policy include; University of Engineering and Technology (UET), Lahore for Punjab, NED University of Engineering and Technology for Sindh (Urban) & MUET Jamshoro for Sindh (Rural), National University of Science and Technology (NUST), Islamabad for Azad Jammu and Kashmir (AJ&K), Gilgit Baltistan (GB) and The Federal Capital Territory (FCT), National Testing Service (NTS) for Baluchistan Province and ETEA for Khyber Pakhtunkhwa. The decision of 45th Vice Chancellors Committee (VCC) meeting totally altered the process of MUST Mirpur AJ&K indigenous framework. Most importantly such an arrangement was destined to shut the doors of hope especially to those students of Azad Jammu and Kashmir who were living in the remote and far-flung areas and was predetermined to deprived them the facility of appearing in entry test at nearest District & Divisional Headquarters.

Brigadier Younus Javed, Vice Chancellor Mirpur University accepted this challenge, fought single-handedly for almost one year, made all possible efforts to the limit that his personal influence had to be used to safeguard & protect the very interests of Mirpur University of Science and Technology MUST, Mirpur AJ&K as well as the emerging talent of the state of Azad Jammu and Kashmir.



To regain the legacy & stature deprived to MUST Mirpur AJ&K, Brigadier Younus Javed, being an Internationally famed Evaluator who has immensely contributed in the field of Engineering and Technology on National and International level and is accordingly regarded in the eyes of country's highest bodies of Higher Education; tirelessly gave national visibility to MUST Mirpur AJ&K in the shape of being accepted as Designated Entity to conduct subject tests.

This shared jubilation is the great success which was earned through year-long extensive hard work of Brigadier Younus Javed, VC MUST, Mirpur AJ&K.

MUST, Mirpur AJ&K hosted Delegation of 37th Mid-Career Management Course, National Institute of Management (NIM), Quetta

The delegation comprising 42 officers, trained in the 37th Mid-Career Management Course in the National Institute of Management (NIM), Quetta along with Faculty Members & Supporting Staff of NIM visited Mirpur University of Science and Technology (MUST), Mirpur AJ&K on Monday, July 17, 2023 at City Campus of the Mirpur University.

The delegation of 37th Mid-Career Management Course escorted by District Management and Police was received by Dr. Muhammad Altaf, Director Student's Affairs, Dr. Sehrish Shafi, Coordinator Department of English, Mr. Imtiaz Ahmed Bhatt, Director NTC & Staff Members of Mirpur University. Dr. Sehrish Shafi briefed the delegation with the help of detailed presentation about the history, structure, functions and major achievements of the Mirpur University of Science and Technology MUST, Mirpur at National and International canvas. Later she was asked in depth questions by the Officers of Mid-Career Management Course to get to know better about academic performance and co-curricular activities of Mirpur University of

Science and Technology MUST, Mirpur AJ&K. At the culmination of the session the representative of National Institute of Management on the behalf of Mr. Muhammad Aslam Ghani, Director General National Institute of Management, Quetta thanked Brigadier Younus Javed, Vice Chancellor MUST, Mirpur AJ&K for honoring the request of National Institute of Management, Quetta & directing Administration of MUST, Mirpur to host the delegation of 37- Mid-Career Management Course at Mirpur University. Officials handed over NIM shields to Dr. Sehrish Shafi, Coordinator Department of English and to Mr. Abdul Qadir, Conducting Officer 37 MCMC visit / Sub Divisional Magistrate Mirpur AJ&K.





The University of Utah organized a 3-Day training workshop in collaboration with National University of Science and Technology (NUST) on Strategic Planning

The University of Utah organized a Three-Day training workshop for Department Chairs of Public Sector Universities on Strategic Planning, as part of the USAID's Higher Education System Strengthening Activity (HESSA). Hosted by the National University of Sciences & Technology (NUST) Islamabad, the workshop was attended by 30 Department Chairs representing 16 partner Universities of HESSA. These Universities have partnered with USAID's HESSA to strengthen their capacity of developing and delivering market-driven education and research to enhance graduate employability.

Facilitated by Dr. Mike Barber, University of Utah and Dr. Sajjad Ahmad, University of Nevada Las Vegas, the Department Leadership prepared Strategic Plans for their respective sections, developed mission and vision statements, core values, developed goals and performance indicators to measure success of their departments. Building on from the earlier batch, this training focused on the required skills to be a successful leader with a visionary approach to sustainable improvement in faculty and student success. In his opening remarks, Dr. Mike Barber welcomed the faculty from HESSA's 16 partner universities and elaborated the objectives and impact of the project. Dr Osman Hasan, Pro Rector Academics NUST welcomed all the participants on campus and appreciated USAID for the continuous support to advance higher education in the country and for engaging international experts in all its trainings.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

Directorates of Fundraising & Students Assistance Centre (SAC) of MUST, Mirpur Participated in Four-Day USAID's HESSA Financial Aid & Fundraising Training

Dr. Mohsin Zafar, Director Fundraising and Dr. Naveed Akram, Director SAC participated in the four-day training session, sponsored by the United States Agency for International Development (USAID) Pakistan, Islamabad from January 31 – February 03 2023 in Pearl Continental Hotel, Rawalpindi.

Training was aimed to provide in-depth knowledge regarding how to articulate Financial Aid and Fundraising for institutional strengthening. The detailed module included the importance of giving, basic principles of fundraising, steps and strategies involved in fundraising, importance of Donors and ways to engage different level Donors. The training also included spontaneous exercises and case studies in context to different institutions, societies, and institution size of Staff, Faculty and most importantly Students. The session also includes the pre and post session interviews of partner universities.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



MSUT-Faculty of Engineering and Technology Achieves Milestone: Welcomes its Inaugural Ph.D. Scholar

Faculty of Engineering and Technology of MUST, Mirpur has produced its first Ph.D. in field of Electrical Engineering since its inception in 1980 & opened the new vistas for entire Engineering fraternity.

The open public defense of Engr. Faisal Mehmood Butt, PhD scholar, Department of Electrical Engineering was held on Monday, February 20, 2023 at 1000 hours in Mechanical Hall of the City Campus of the Mirpur University of Science and Technology MUST, Mirpur AJ&K, hosted by Engr. Dr. Sohaib Manzoor, Manager Innovation and Commercialization ORIC.

Engr. Faisal Mehmood Butt, PhD scholar, Department of Electrical Engineering, completed his research in "Artificial intelligence based accurate load forecasting system to forecast short medium and long term load demands" under the supervision of Prof. Dr. Syed Hassan Mujtaba Jafri, Dean Faculty of Engineering and Technology of Mirpur University of Science and Technology MUST, Mirpur & co-supervision of Dr. Lal Hussain Assistant Professor Department of Computer Science University of Azad Jammu and Kashmir (UJK), Muzaffarabad. In Open Defence Prof. Dr. Jameel Ahmed, Dean, Faculty of Engineering & Applied Sciences, Riphah International University was external

examiner.

The open defense was attended by the Brig (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor, Mirpur University of Science and Technology (MUST) Mirpur AJ&K, Prof. Dr. Jameel Ahmed, Dean, Faculty of Engineering & Applied Sciences, Riphah International University (External Examiner), Prof. Dr. Syed Hassan Mujtaba Jafri, Dean Faculty of Engineering and Technology MUST, Prof. Dr. Sadat Hanif Dar, Dean Faculty of Engineering and Technology, University of Azad Jammu and Kashmir (UJK), Prof. Dr. Naeem Iqbal Ratyal, Chairman Department of Electrical Engineering, Prof. Dr. Muhammad Sajid, Director Advance Studies and Research Board (AS&RB), Mr. Kamran Hameed, Controller of Examinations, Dr. Azhar Hussain, Director Quality Enhancement Cell, Faculty of Engineering and Technology members and students.

Brigadier Younus Javed, Vice Chancellor MUST Mirpur AJ&K while addressing the participants congratulated Engr. Dr. Faisal Mehmood Butt, Prof. Dr. Hassan Mujtaba Jafri, Dean Faculty of Engineering and Technology MUST / Ph.D. Supervisor, Prof. Dr. Naeem Iqbal Ratyal, Chairman, Department of Electrical Engineering, Faculty of Engineering and Technology for achieving huge milestone in exceptionally impressive way. He further said this day will blossom inspiration to all those who are pursuing & are aspirants to reach at this pedestal of life.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



3rd Engineering Capstone Expo (ECE-2023)

Organized by Pakistan Engineering Council (PEC) – Pakistan Development Committee (PPDC), the 3rd Engineering Capstone Expo (ECE-2023) was a series of competitions, among the engineering students of public and private sector universities across Pakistan to showcase their research skills, technologies, and Final Year Design Projects (FYDPs) focusing on industrial solutions and societal problems. More than 5,000 thousand students participated in these competitions organized at each of the four provincial capitals and federal capital. The winners of the competitions were recognized with rewards and certificates both from the PEC as well as the industry.

ECE-2023 took place at Pak-China Friendship Center on January 12th, 2023, Thursday at 10:00 A.M. – 4:00 P.M.

Engr. Dr. Sohaib Manzoor, Deputy Director QEC/Lecturer Department of Electrical Engineering proudly presented Mirpur University of Science and Technology (MUST) as his project "Towards Reducing Handoff Times in Next Generation Wireless Networks" was shortlisted by PEC.

PEC in collaboration with Islamabad Chamber of Commerce congratulated and promised

Engr. Dr. Sohaib Manzoor to commercialize the project and to provide a paid internship to Muhammad Akbar Kiyani (Project Member) student of the 7th Semester in the Electrical Department MUST.

The ceremony was concluded with the distribution of certificates to the respective supervisors.



Brigadier Younus Javed presided over the 4th meeting of Representation Committee

Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor Mirpur University of Science and Technology (MUST), Mirpur chaired 4th Meeting of the Representation Committee on Tuesday, September 20, 2022 at 11:00 hrs in Conference Room of MUST Secretariat Jari Khas. Prof. Dr. Muazzam Ali Khan Khattak, Quaid-e-Azam University, Islamabad (Online), Chaudhary Muhammad Hanif, Chairman, Mirpur Development

Authority (MDA), Mirpur, Professor Balqees Ayaz, former Chairperson BISE, Mirpur AJ&K, Prof. Dr. Khazir Ul Haq Registrar MUST / Secretary Representation Committee, Prof. Dr. Faisal Riaz, Department of CS&IT and Dr. Razia Rizvi, A/P Department of Education.



Entry Test for Admissions in Undergraduate Programs

Entry Test for Admissions in Undergraduate Programs of Faculty of Engineering and Technology and M.S / M.phil Programs (Fall - 2022) of various faculties of Mirpur University of Science and Technology (MUST), Mirpur was conducted by Office of the Controller of Examinations with the collaboration of Directorate of Student's Affairs on Sunday, October 23, 2022 at City Campus of the Mirpur University in a very peaceful atmosphere.

Mirpur University with the collaboration of Shanghai University of Electrical Power (SUEP) participated in the General Assembly of Belt and Road (B&R) Regional Association of Energy and Power Universities (RAEP)

Mirpur University of Science and Technology, (MUST), Mirpur AJ&K acknowledged and honoured at international platform for becoming member of Regional Association of Energy and Power Universities (RAEP). Brig (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor, Mirpur University represented MUST in Regional Association of Energy and Power Universities (RAEP). Honourable Vice Chancellor MUST appreciated the close cooperation of SUEP with MUST.



Student's Assistance Center (SAC) of Mirpur University Held 16th Meeting of Institutional Scholarship Award Committee (ISAC)

Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M) Vice Chancellor, Mirpur University of Science and Technology (MUST), Mirpur chaired 16th Meeting of Institutional Scholarship Award Committee (ISAC) in Electrical Conference Room of MUST City Campus on Thursday, February 23, 2023 for Award of 11th HEC-Need Based Scholarships and 8th MUST Need Based Scholarships.

Engr. Dr. Muhammad Naveed, Director Students Assistant Centre (SAC)/ Secretary Institutional Scholarship Award Committee (ISAC) & Staff of SAC Office paid warm welcome to worthy Vice Chancellor MUST on his arrival at City Campus.

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor MUST, Mirpur AJ&K chaired the 16th IACS meeting and followings were the participants:

Ch Zaheer Ahmad Ex Chairman BISE MIRPUR Syed Zulfiqar H Shah Ex Chief Engineer AJ&K Govt, Ms Sajida Ghafoor Ex Principal GEB College Mirpur, Prof. Dr. Tehseen Ghous Dean FoSS&H, Prof. Dr. Muhammad Aslam Dean FoN&AS, Prof. Dr. Raahida Hussain, Chairperson Department of Mathematics, Prof. Dr. Naeem Ratyal, Chairman Department of Electrical Engineering, Mr. Abdul Majid Lecturer MBS and Engr. Dr. Naveed Akram Director SAC /Secretary ISAC.

Mr. Zahir Ali Akbar Deputy Director SAC, Mr. Mustafa Yousaf Office Assistant, Mr. Arshad Mehmood DEO Ms. Sundas Jameel, DEO Mr. Hafiz Mazhar Hussain, Junior Clerk and Mr. Raashid Mehmood Supporting Staff were the organisers of 16th IACS meeting.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

G20 Summit in IIOJK & India's Nefarious Designs

Mirpur University of Sciences and Technology (MUST), Mirpur AJ&K organised a Webinar against G-20 Summit in IIOJK with a title G-20 Summit in IIOJK & India's Nefarious Designs in the Video Conference Room of City Campus of the University.



The session was attended by following prominent participants: –

1. Mr. Ali Raza Syed, Chairman Kashmir Council EU (Brussels)
2. Dr. Imtiaz Khan, Human Rights Activist / Professor at George Washington University (USA)
3. Mr. Syed Faiz Naqshbandi, Senior Leader APHC
4. Mrs. Shamim Shawl, Human Rights Activist / Permanent Representative of IMWU
5. Mr. Muhammad Shakeel, Ex-Director AJ&K Radio
6. Dr. Saira Farooq Shah, Chairperson Department of Education MUST, Mirpur AJ&K

Participants of the Webinar said G-20 Summit in IIOJK is a total contravention of UN resolutions and it is conflagration of International norms, by holding G-20 Summit / Tourism Meeting in Indian Illegally Occupied Jammu Kashmir (IIOJK), India is trying to portray that after revocation of Articles 35A / 370 in August 2019, everything is going back to normal, things have been mainstreamed and IIOJK has become an integral part of India and is progressing now. However India has failed to prove it, because the media is controlled, journalists are in jail, Human Rights Activists are not allowed travel around the world. If the people have accepted Indian

occupation, why don't India remove 1 Million Forces, let the people come out and express their views. They are under duress, population have been caged.

Participants further said India wanted to bring 200 delegates in G-20 Summit but there were only 40 people who came from low level European countries. It has been a failure and to the extent it has backfired. China, Turkey has not participated in G-20 Summit, while Egypt, Indonesia and KSA stayed away from it. During the preparations of G-20 Summit, there have been a lot of Human rights violations going on. Houses of many Kashmiri leaders have been raided, schools have been closed, shops have been opened forcefully to show International community that everything is very much normal after August 5th 2019.

Speakers appealed to the World Community to come forward and play their role for peaceful settlement of the Kashmir issue according to the will of the people of Jammu and Kashmir. It was highlighted that Indigenous Kashmiris are facing a lot of backlash of the revocation of the Articles 35A and 370. Talks on International Media show that minorities are not safe in India, Modi wants show the world that it is the biggest democracy, have a big market however people understand it's a fascist regime.

Participants said India has started this reign of terror in IIOJK back in 1989, it is not only the Modi Govt though the Modi Govt has been very fabricio and Fascist Govt but Human rights abuses started much before. During Congress regime in 1990, Kashmiris protested against Indian occupation and they were oppressed by brutal force. Several major incidents took place while Congress was in power at Delhi. The affliction of Human rights abuses on Kashmiris has been a continued policy of Indian Government.

The participants also discussed the way forward to bring peace in South Asia, to flourish the people of South Asia and unanimously agreed that there is only one way forward, which is to resolve Kashmir issue as per the wishes of the people of Jammu and Kashmir



as only solution is to conduct plebiscite and let the people of Kashmir to decide. World must know that Kashmir being left unresolved can have disastrous consequences.

Pakistan Innovation Fund Award 2023 for Tech Startup

Dr. Sohaib Manzoor and Dr. Imran Aziz from the Department of Electrical Engineering of Mirpur University clenched Rs. 10 million in Pakistan Innovation Fund Award 2023 for Tech Startup

In pursuance of the directions by the Prime Minister of Pakistan and in line with the Vision 2025, The Ministry of Planning, Development and Special Initiatives launched the Pakistan Innovation Fund. Citizens and firms/organizations both in Public and private sectors were asked to submit the proposals for innovative projects that lead to the development of the new products, services and value addition in existing products aimed at productivity enhancement in the sectors of Governance, Agriculture, Education, Health, Tech Startups and Women Entrepreneurship. In the first phase the written proposals were shortlisted all over Pakistan. In the 2nd phase a committee comprising senior government official including His Excellency Engr. Ahsan Iqbal, Minister of Planning and Development, experts and industry leaders took the pitch for the proposal ideas and made recommendations for the awards.

Dr. Sohaib Manzoor, Lecturer at Department of

Electrical Engineering / Manager Innovation and Commercialization in ORIC and Dr. Imran Aziz Lecturer at Department of Electrical Engineering submitted a proposal related to Tech Startups for Wireless Communication. On the shortlisting of the project proposal, Dr. Sohaib Manzoor was invited to present a pitch to the Pakistan Innovation Fund Team and was able to convince them for the production of the "Smart Programmable Access Point" which will contribute to the IT hardware export of the country. The honorable Minister for Planning and Development Engr. Ahsan Iqbal congratulated Dr. Sohaib Manzoor, Lecturer/ Manager Innovation and Commercialization on winning the pitch.

The Vice Chancellor of Mirpur University of Science and Technology (MUST), Mirpur AJ&K, Brig (R) Prof. Dr. Muhammad Younus Javed, SI(M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K acknowledged the efforts made by the young scientists and encouraged them to work with the similar pace to enlighten the name of MUST, Mirpur AJ&K and to uplift the economy of Pakistan.



National Conference on Freelancing & Entrepreneurship

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K graced the National Conference on Freelancing & Entrepreneurship ventured by MUST Media Society & Society of Computer System Engineering under supervision of Dr. Moshin Zafar, Advisor MMS / In charge Youth Development Center MUST.

Mr. Sabir Hussain Shah, President Chamber of Commerce Mirpur, Mr. Aqib Danial, President Ideological Civilization, Mr. KhubaiB Zafar, Vice President Ideological Civilization, Mr. Raja Usman Sajid, Public Speaker addressed the participants of the National Conference & imparted valuable knowledge to University Students with their skills, expertises and new information on Freelancing & Entrepreneurship.

Brigadier Younus Javed thanked honorable Guests of the National Conference and on addressing the University Students he said that in the modern times it is really important for the youth to be self-sufficient and in effort to make University Students self-dependent, ORIC of the Mirpur University has not only been working for quite a long time on the subject but winning of recent grant of Rs. 24 million for Business Incubation Center at MUST Mirpur from Higher Education Commission, Islamabad itself stands testimony to the tremendous effort put in by ORIC. Youth Development Center of MUST, Mirpur AJ&K is also highly committed to fetch various projects and grants for the University Students, he added. Brigadier Younus Javed lauded efforts of Dr. Moshin Zafar, Advisor MUST Media Society / In charge Youth Development Center MUST & organising teams of MMS & SCSE for holding National Conference on Freelancing & Entrepreneurship in Mirpur University.





MUST, Mirpur Conducted State Engineering and Technology Entry Test – 1 (SEET 2023) in All across AJ&K

Office of Controller of Examinations of the Mirpur University of Science and Technology (MUST), Mirpur in collaboration with Directorates of Student's Affairs, Estate Management and Security Affairs conducted State Engineering and Technology Entry Test 2023 (SEET 2023) for Admission in Undergraduate Programs of AJ&K Universities was held at Mirpur, Bhimber, Kotli, Rawalakot, Bagh, Haveli, Muzafarabad & Neelam on Sunday, August 06, 2023. Prof. Dr. Syed Hassan Mujtaba Jaffari, Dean Faculty

of Engineering and Technology briefed the candidates about the infrastructure, labs and facilities which Faculty of Engineering and Technology of Mirpur University is providing to the engineering and technology students. In total 538 Entry candidates appeared in SEET – 2023 Test – 1. On very same pattern Test – 2 and Test – 3 will be conducted in first week of September 2023 & mid of November 2023. Prof. Dr. Khizer ul Haq, Registrar MUST, Mirpur AJ&K visited test centres, shown satisfaction with the arrangement and conduct of SEET 2023 and appreciated Mr. Kamran Hameed, Controller of Examinations & Dr. Muhammad Altaf, Director Student's Affairs.

Brigadier Younus Javed inaugurated first Cyber security Workshop at MUST, Mirpur AJ&K; efforts by Ignite National Technology Fund will pave the way forward & would empower participants for the Age of the 4th Industrial Revolution

Ignite National Technology Fund hosted its 3rd Digital Pakistan Cyber security Workshop 2023 all over Pakistan & first ever at Mirpur University of Science and Technology MUST, Mirpur AJ&K which aims to assist in improving cyber security readiness, protection and incident response capabilities of the country by conducting cyber drills at the national

level. The workshop is designed with a dual purpose, as a platform for cooperation, information sharing and discussions on current cyber security issues as well as to provide hands on experience and learning for National cyber security resources.

Ignite National Technology Fund is a premier National organization dedicated to promoting an innovation and research commercialization ecosystem across Pakistan. It is focused on making Pakistan a player in the knowledge economy by supporting startups focused on 4th industrial wave technologies and by addressing gaps in the entrepreneurial ecosystem. Cyber security is key to achieving the 4th industrial revolution. Keeping in view the importance of Cyber security Dr. Sohaib Manzoor Manager Innovation and



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE

Commercialization/Lecturer Department of Electrical Engineering grabbed the opportunity for budding talent by organizing Digital Pakistan Cyber security Hands-on Workshops 2023 at Mirpur University of Science and Technology MUST, Mirpur AJ&K. Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University inaugurated the Cybersecurity Hands-on Workshop at City Campus of the University. Vice Chancellor appreciated the resource person, trainers from Ministry of IT & Telecom and IGNITE. He also appreciated the efforts of Prof. Dr. Naeem Iqbal Ratyal, Dean Faculty of Engineering and Technology for organising first Cybersecurity Workshop at University, expressed confidence on Faculty of Engineering and Technology of Mirpur University. Prof. Dr. Muhammad Aslam, Dean Faculty of Natural and Applied Sciences, Dr.

Muhammad Altaf, Director Student Affairs, Dr. Nouman Ali, Chairman Software Engineering, Dr. Khurram Pervaiz Amber, Chairman Mechanical Engineering, Dr. Sajid Hussain Chairman, Computer System Engineering, Dr. Yasir Mehmood Chairman CS&IT, Dr. Tasleem Kausar Director MIT, Mr. Imtiaz Bhatt Director NTC, Mr. Mansoor Gillani Deputy Director IGNITE, Dr. Anwar ul Haq, Assistant Professor Department of Electrical Engineering and Engr. Irfan Jamshed Manager Research Management at Office of Research Innovation and Commercialization also attended the inauguration ceremony.

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University inaugurated the Cybersecurity Hands-on Workshop at City Campus of the University.





Mirpur University inks Memorandum of Understanding with Character Education Foundation (CEF) to boost cooperation in Quranic, Character & Community Education

Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor Mirpur University of Science and Technology, MUST, Mirpur AJ&K & Mahmood Ahmed, Chairman of Character Education Foundation (CEF) signed Memorandum of Understanding (MoU) to establish cooperative linkage between MUST, Mirpur AJ&K and CEF to enhance faculty development and students' learning tools in Quranic, Character and Community Education. The platform will serve as a foundation for potential future projects to be developed by both parties & under the umbrella of subject MoU, future agreements to support related initiatives will also materialise.

Integration of Quranic and Community Education into the University Credit System, Specialization of University's Faculty members in Quranic & Community Education as well as in Character Building, development of a shared model for entrepreneurial projects, advancement of Quranic Education by enabling students enrolled in the BS program with a solid understanding of basic Quranic Grammar, facilitating their comprehension of the Holy Quran and entrusting them to draw guidance for personal and societal development and inducing 21st Century skills in students by involving them in community-level activities resulting into their holistic development are core objectives of the MoU. Dr. Asghar Ali Khan, Director Institute of Islamic Studies (IIS), Dr. Sajjad Ahmed Assistant Professor IIS, Mr. Daud Ali Siddiqui, SPS to Vice Chancellor, Mr. Ghulam Mustafa, Lecturer IIS & officials of Character Education Foundation participated in the MoU signing ceremony.



Chief of Party of Higher Education Strengthening System Activity (HESSA) / Professor of Economics at the University of Utah & Deputy Chief of Party of HESSA visited MUST, Mirpur AJ&K to hold Progress Review Meeting & Project Work Planning for 3rd Year

Dr. Aslam Chaudhry, Chief of Party Higher Education Strengthening System Activity (HESSA) Dr. Ayesha Razzaque, Deputy Chief of Party HESSA were called on Brig (R) Prof. Dr. Muhammad Younus Javed SI(M), Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K on October 02, 2023 at MUST Secretariat Jari khas to review progress & improvement made by Higher Education Institutes under HESSA's native and foreign study tours and training workshops on strengthening of linkages & partnerships, revamping of existing programs and cooperation with industry for employability of fresh graduates. Brigadier Younus Javed along with Principal Staff Officers paid warm welcome to esteemed officials of HESSA on their arrival at MUST Secretariat. Dr. Aslam Chaudhry, Chief of Party briefed the participants about the progress of HESSA during first & second year with the help of multimedia. Preparation of



University Strategic, Business Plans & Terms of Reference for the Planning Teams were also discussed. Meeting was presided by Brigadier Younus Javed, Vice Chancellor of Mirpur University, attended by Deans of the Faculties, Principal Staff Officers and Directors of various Directorates of MUST, Mirpur AJ&K.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Department of Mathematics of MUST, Mirpur AJ&K has successfully produced its 6th PhD

PhD Scholar Ms. Aneeqa Khadam, Department of Mathematics of Mirpur University of Science and Technology MUST, Mirpur AJ&K successfully defended her PhD thesis after completion of her research under the supervision of Dr. Aamir Sagheer, Associate Professor, titled as:

"MATHEMATICAL ANALYSIS AND APPLICATION OF T-X FAMILY OF DISTRIBUTIONS"

The thesis of Ms. Aneeqa Khadam was evaluated by two international evaluators

1. Dr. Felix Famoye (Professor & Consulting Statistician), Department of Statistics, Actuarial & Data Sciences, Central Michigan University, USA.

2. Dr. Christophe Chesneau (Associate Professor) LMNO, University of Caen, France. Chairpersons, Directors Faculty Members & Students attended the Open Public Defence.

The first of the sixth newly minted PhDs was completed in March under the supervision of Prof. Dr. Rashida Hussain. The next followed in June under the supervision of Dr. Syed Zakir Hussain Bukhari, after which three more completed in the month of August. Two of them were supervised by Prof. Dr. Rashida Hussain and one by Dr. Asghar Ali. The sixth and final one has completed her PhD, under the supervision of Dr. Aamir Sagheer.



The National Energy Efficiency and Conservation Authority (NEECA) & United Nations Development Programme (UNDP) jointly hold Provincial Stakeholder Consultation (AJK) on implementation of the National Energy Efficiency and Conservation Action Plan 2023-30

The National Energy Efficiency and Conservation Authority (NEECA) held a Provincial Stakeholder Consultation (AJK) on implementing the National Energy Efficiency and Conservation Action Plan 2023-30 on 21-9-23 at the PC Hotel, Muzaffarabad AJK in collaboration with the United Nations Development Programme (UNDP).

Vice Chancellor MUST, Mirpur AJ&K nominated Prof. Dr. Naeem Iqbal Ratyal Chairman Department of Electrical Engineering to participate in the NEECA consultation Seminar to explore possible joint ventures where MUST can contribute in National Economy as Academia Stakeholder in AJK. The Session was very fruitful towards energy conservation plan and several ideas were discussed to conserve energy and create public awareness.



SALIENT ACTIVITIES OF THE VICE CHANCELLOR'S OFFICE



Office of the Chief Finance Officer of Mirpur University held a Seminar in collaboration with Pakistan State Life Insurance

Prof. Dr. Zafar Iqbal, Director MUST Business School presided Seminar on benefits of State Life Insurance against Employees Group Insurance & General Provident Fund, ventured by Treasurer Office, Directorate of Student's Affairs and Pakistan State Life Insurance on Wednesday, September 20, 2023 at Mechanical Hall of the City Campus of Mirpur University of Science and Technology MUST, Mirpur AJ&K.

Prof. Dr. Muhammad Khaleeq, Treasurer MUST conducted proceedings of the Seminar, Prof. Dr. Muhammad Aslam, Dean Faculty of Natural and Applied Sciences, Dr. Muhammad Altaf, Director Student's Affairs, Chairpersons, Coordinators, Faculty Members and Administrative Staff attended the Seminar.

Mr. Muhammad Nasir Abbasi, Area Manager Pakistan State Life Insurance, Mr. Syed Zargham Haider Bukhari, Recruitment Manager & Mrs. Gulshan Ismail, Assistant Manager introduced the products of Pakistan State Life Insurance for MUST Employees, received questions from the participants of the Seminar and responded to them
Brig. (Retd) Professor Doctor Muhammad

and development which will eventually bring great name & fame for the institution. He also stressed for establishment of modern Labs & to have close cooperation with World's leading educational institutions.



Human Resource Management Department Organized Seminar on Topic, "HRM Practices in Public Sector Entities"

In line with the kind support and guidance of Dr. Zafar Iqbal, Director MUST Business School, a Seminar was organized by the HRM Department on the topic, "HRM Practices in Public Sector Entities" to create awareness among students about the emerging trends, current practices, and future prospects of HRM in Public Sector. Ms. Tahira Batool In charge HRM department and the faculty members of HRM, organized the Seminar with the coordination and support of Dr. Abid Hussain, Coordinator MUST Bhimber Campus. Dr. Nasir Iqbal Chaudhry, MS DHQ Hospital Bhimber, Dr. Iqbal Hussain, Ex-District Health Officer Bhimber, Prominent Educationist Khurshid Ahmed Chaudhry, Ex-Lord Mayor Ch. Karamat Ali were the key speakers of the Seminar., Dr. Muhammad Ajajib, Chairman Department of Botany and Dr. Saim Hashmi, Chairman Department of Economics, MUST were in attendance. Students of Human Resource management Department actively participated in the Seminar and learnt immensely by the experiences shared by the

Brigadier Younus Javed addressed 1st Annual Research Conference at MIMC

Younus Javed SI(M) Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K delivered his talk on "Importance of Research for Degree Awarding Institutes" at 1st Annual Research Conference of Mohi-ud-Din Islamic Medical College, Mirpur, AJK.

While addressing the participants of the conference Brigadier Younus Javed said it's very important for Degree Awarding Institutes to keep faculty and students busy for research



honorable guests. Shields were distributed among the guests and faculty members at the end of the Seminar.

National Agriculture Education Accreditation Council (NAEAC) visited Mirpur University of Science and Technology MUST, Mirpur AJ&K

National Agriculture Education Accreditation Council (NAEAC) visited Mirpur University of Science and Technology (MUST), Mirpur AJ&K to evaluate the quality and standards of Human Nutrition and Dietetics education at Faculty of Health and Medical Sciences of Mirpur University.

NAEAC team lead by Dr. Abdul Ghaffar, Secretary NAEAC and Dr. Rai Muhammad Aamir, NAEAC expert were received by Prof. Dr. Khizar-ul-Haq, Registrar MUST, Prof. Dr. Anwer Khitab, Dean, Faculty of Health and Medical Sciences, Dr. Sumaira Irum Khan, Coordinator, Department of Human Nutrition and Dietetics and Dr. Mian Muhammad Zeeshan Javiad, Chairperson, Department of Pharmacy. The meeting was conducted in the Conference room of Electrical Engineering Department. The meeting was started with the name of Allah Almighty.

Prof. Dr. Anwer Khitab welcomed the guests formally and gave them an overview about the University history, Departments, faculties & available facilities at campus. Afterwards, Dr. Abdul Ghaffar NAEAC Secretary briefed about NAEAC mission, vision, registration protocols, visit agendas. Later Dr. Sumaira Irum Khan Coordinator Department of Human

Nutrition and Dietetics gave the overview of the department mission, vision, teaching faculty, classrooms, and lab facilities, budget, MOU With the hospital and students strength. Representatives of QEC and ORIC were also present in the meeting. They addressed the questions related to their domains. NAEAC Secretary and expert took a keen interest in the discussion and appreciated the university management.

Then, the team visited the main library, CMS, QEC and ORIC offices. The NAEAC team also visited the Department of Human Nutrition and Dietetics where they were engaged in various activities, including interaction with students, visit of classroom laboratories, and library. NAEAC team interacted with department Faculty and went through course files. The discussions revolved around curriculum design, teaching methodologies, research initiatives, university facilities, and the overall learning environment.

The council team had a meeting with Brig (R) Prof. Dr. Muhammad Younus Javed SI, Vice Chancellor Mirpur University of Science and Technology MUST, Mirpur AJ&K and appreciated for running the successful degree program and suggested the improvements in the system. The visit concluded with a positive note of encouragement and appreciation.



An overview was given about the University's history, departments, faculties & available facilities at campuses. Additionally the Council was briefed about NAEAC mission, vision, registration protocols, visit agendas.

ACADEMIC PROFILE

- Faculty of Social Sciences and Humanities
- Faculty of Natural and Applied Sciences
- Faculty of Engineering and Technology
- Faculty of Veterinary and Animal Sciences
- Faculty of Health and Medical Sciences
- MUST Business School
- MUST Pallandri Campus

The University offers an outstanding and comprehensive array of academic programs at its 7 faculties made up of 36 academic departments. These academic programs include various undergraduate, post graduate, and short courses.

CHAPTER 2

Faculty of Natural and Applied Sciences



Our graduates are equipped with scientific thinking and approach, which make them dynamic in perspective to move along with the modern scientific innovation and development.



PROF. DR. ASLAM

Dean

Faculty of Natural and Applied Sciences



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<https://must.edu.pk/dean-faculty-of-natural-applied-sciences/>





Dean's Message

Welcome to the Faculty of Natural and Applied Sciences (FN&AS), MUST, Mirpur. I feel an honor to serve as a Dean for this prestigious FN&AS, whose faculty members are quite committed to impart the quality of education with full endeavor and zeal. The faculty is enriched with professional, qualified, and trained personnel having deep understanding in their relevant areas and sense of responsibility to groom the young ones for their better career. Our graduates are equipped with scientific thinking and approach, which make them dynamic in perspective to move along with the modern scientific innovation and development. The FN&AS consists of nine academic departments: Biotechnology, Botany, Chemistry, Computer Science and Information Technology, Forestry, Mathematics, Statistics, Physics, and Zoology. The main areas of study are: Molecular Genetics, Genomics, Stem Cell Technology, Ecosystems, combatting diseases, Biodiversity and Conservation, Material and Chemical Science, Nano Science, Solid State and Nuclear Physics, Mathematical Modeling and Interpretation, Statistics, Artificial Intelligence and Computational Science. The faculty take pride in the high quality of teaching and research, which enable the faculty to publish its research findings in high impact factor journals and thus significantly contribute to elevating the ranking of the university. The faculty annually admits about 900 students and offers the BS (4-year), M.Phil. (2-year) and Ph.D. (3-year) degree programs. Each department of FN&AS persistently updates its curricula consistent with the HEC guidelines to meet the needs of the day and develop the young learners as globally responsible human beings. Each department observes regular classes and lab works, and further encourages research, group discussions, field trips, internships, projects, seminars, workshops, and conferences for undergraduates to promote the team spirit such as cooperation, competition, and fair evaluation. They enjoy a congenial atmosphere with one another along with our experienced faculty members who have a missionary motivation for producing an excellent academic atmosphere. This research training at the FN&AS is preparing the graduates to articulate effectively become communicators, careful thinkers, the persons who are concerned with good health and healthy interpersonal relationships across the cultural boundaries. I invite you to explore the exciting programs and become part of tremendous growth which is expected to continue even at a faster pace. We will help you to equip yourself with the latest technologies and skills to face the challenges and create the world of tomorrow. Our goal is to contribute to the sustainable and peaceful development of human society through the research and educational activities of science. We always consider how we can foster dreams and hopes in the young people who are the future of Pakistan.



DEPARTMENT OF ZOOLOGY

Degree Programs

Faculty/Campus	Departments	Academic Programs		
Natural and Applied Sciences	Zoology	Under-graduate	Graduate	Post-graduate
		BS	M.Sc	M. Phil, Ph.D

Students Achievements

1. Ms. Hina Ilyas, Student of Ph. D in Zoology Won the 2nd Best Poster Award in the International Conference on Innovation in Biochemistry, Veterinary Medicine & Pharmacology during 06-07, Feb. 2023, organized by the Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.
2. Ms. Aniqqa, Sharif, Student of Ph. D in Zoology Won the 3rd Best Poster Award in the International Conference on Innovation in Biochemistry, Veterinary Medicine & Pharmacology" during 06-07, Feb. 2023, organized by the Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan.

Academic Activities

- One Day Seminar on Pangolin, Joint Activity of the Department of Zoology, MUST and the Department of Wild Life and Fisheries, Mirpur, AJK.
- One Day Study Visit to Fish Hatchery, Department of Wild Life and Fisheries, Mangla, Mirpur, AJK.
- One Day Seminar on Entrepreneurship, joint activity of the Department of Zoology and Department of Mechanical Engineering), MUST, Mirpur, AJK.
- One Day on Cleanliness Drive with Green Society MUST, Mirpur, AJK.

Conference/Trainings/Workshops (please follow the format strictly)

Dr. Anser Ali, Dr. Rizewan Ullah, Ms. Samina Noor, Ms. Attoba Mushtaq along with Ph.D and M. Phil Scholars of Zoology department participated in the International Conference on Innovation in Biochemistry, Veterinary Medicine & Pharmacology organized by Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan during Feb. 06-07, 2023.

Dr. Ansar Ahmed Abbasi Mr. Rameez Nisar and Mr. Usman Ali along with Ph.D and M.Phil Scholars of department participated in 41st Pakistan Congress of Zoology International organized by Institute of Zoology University of the Punjab Lahore during March 16-18 2023.

Publications

Department has published 9 research papers based on the research activity carried out in different fields of Zoology. Most of the research papers have been published in impact factor international journals. The detail of publications with respect to impact factor and non-impact factor publications is given in Figure 1.

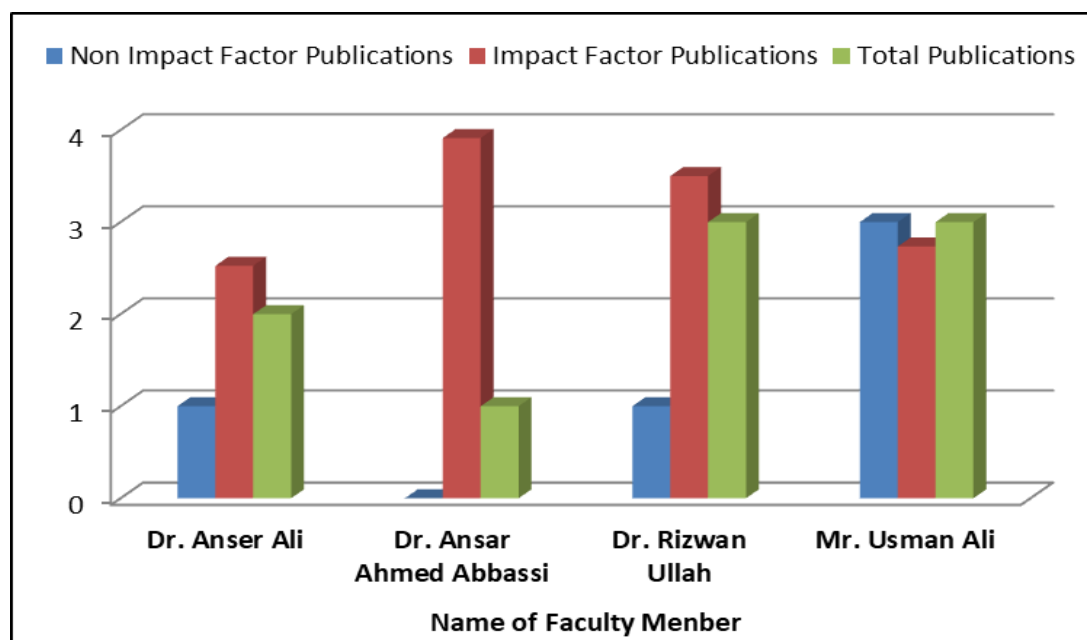


Figure 1. Detail of research papers published during 2022-23.

M. Phil Thesis

Student Name	M. Phil Thesis Research Title	Supervisor
Aiman Aziz	Partial Replacement of the Fish Meal by Soybean Meal and its Impact on the Growth of Tilapia	Dr. Huma Ayub
Aneela abid	Molecular Study of Families Affected With Congenital Oculocutaneous Albinism	Dr. Ansar Ahmed Abbasi
Aniqa Shakoor Butt	Mapping of The Genes Involved in Autosomal Recessive Non Syndromic Intellectual Disability	Dr. Ansar Ahmed Abbasi
Aqsa Sabir	Antibacterial Potential of Citrus Limetta Extracts Alone And In Combination With Hydrogen Peroxide Against Selected Pathogenic Bacterial Strains	Dr. Anser Ali
Ayesha tasadduq	Analysis of the Fish Consumption Rate And Its Preference In Mirpur City	Dr. Huma Ayub
Fakhara Nazir	Distribution, Diversity And Molecular Characterization of Vector Mosquito Fauna of Mirpur City, Azad Jammu & Kashmir	Dr. Khalid Hameed
Humaira Khanum	Establishment of Normal Values of Serum Uric Acid Among Healthy Individuals In Azad Jammu & Kashmir	Dr. Rizwan ullah
Iqra Razaqat	Screening of Consanguineous Families Segregating Hereditary Intellectual Disability	Dr. Ansar Ahmed Abbasi



Kainat Fatima	Evaluation of Antibacterial Activity of Albizia Lebbeck Extracts Against Selected Pathogenic Bacteria	Dr. Anser Ali
Madiha Kanwal	Antibacterial Potential of Flower, Bark And Root Extracts of Acacia Nilotica Against Selected Gram Positive And Gram Negative Bacterial Strains	Dr. Anser Ali
Muhammad Sabeel Bashir	Epidemiology of Gastrointestinal Nematodes In Cattle of District Mirpur, Azad Jammu & Kashmir	Dr. Khalid Hameed
Muhammd Zahid	Epidemiology of Gastrointestinal Nematodes In Goats of District Mirpur, Azad Jammu & Kashmir	Dr. Khalid Hameed
Nazish Ashraf	Distribution, Diversity And Molecular Characterization of Sandflies Of Mirpur City, Azad Jammu & Kashmir	Dr. Khalid Hameed
Qasim Jehangir	Epidemiology of Brucellosis In Cattle of District Mirpur, Azad Jammu And Kashmir	Dr. Khalid Hameed
Quadsia Jabeen	Phenotype-Genotype Correlation Study of Families With Hereditary OCA	Dr. Ansar Ahmed Abbasi
Rahat Un Nisa	Evaluation of Screening Kits Used In Blood Banks For Detection of Hepatitis B, Hepatitis C And Human Immunodeficiency Virus In Comparision With Chemiluminescence Immunoassay (Clia)	Dr. Rizwan ullah
Sidra Tahir	Distribution And Diversity of Snail Fauna of District Mirpur, Azad Jammu & Kashmir	Dr. Khalid Hameed
Summera Shabbir	Controlled Synthesis of Water Soluble Carbon Nanoparticles By Greener Approach	Dr. Rizwan ullah
Warda Arshad	Exclusion Mapping of The Genes Involved in Hereditary Deafness	Dr. Ansar Ahmed Abbasi
Zaina Shakoor	Analysis of The Relationship Between The Fish Capture Rate And Commercial Fish Species of Mangal Dam	Dr. Huma Ayub
Zara Akhtar	Establishment of Normal Values of Serum Cholesterol And Triglycerides Among Healthy Individuals In Ajk	Dr. Rizwan ullah
Abdul Rasheed	Prevalence And Risk Factors Assessment of Ticks Infesting Livestock of District Mirpur, Azad Jammu & Kashmir	Dr. Khalid Hameed
Danish Jamil	Epidemiology of Fasciolosis In Livestock of District Mirpur, Azad Jammu & Kashmir	Dr. Khalid Hameed
Nimra Raqeeb	Prevalence And Risk Factors of Mycobacterium Tuberculosis In Division Mirpur	Dr. Rizwan ullah
Rustam Farooq	Phenotype-Genotype Correlation Study of Families With Hereditary Deafness	Dr. Ansar Ahmed Abbasi
Sahar Manzoor	Study of The Families Segregating Autosomal Recessive Non Syndrome Hearing Impairment By STS Markers	Dr. Ansar Ahmed Abbasi
Sana Shabbir	Management of Fish Scales Waste By Converting Into Eco-Friendly Corbon Nanodots	Dr. Rizwan ullah
Sidra Subhani	Antibacterial Potential of Abelmoschus Esculentus Extracts Alone And In Combination With Hydrogen Peroxide Against Selected Pathogenic Bacterial Strains	Dr. Anser Ali
Muhammad Asim Iqbal	Evaluation of Antibacterial Activityof Leaves, Bark, Stem And Roots of Eucalyptus Globulus Extracts Against Human Pathogenic Bacteria	Dr. Anser Ali



Faculty Development Program

- At present, no faculty member is on study leave.
- Faculty members and 1 staff member (Total 06) are doing Ph. D.
- Department has 4 Ph.D faculty members.
- Currently department has 3 HEC approved supervisors.

Faculty Details

At present 11 highly qualified and trained faculty members are providing teaching and research services at the department. The faculty members have completed their PhD from national and international universities. Half of the permanent faculty is pursuing their doctoral studies at MUST and AJ&K universities.

Sr. No.	Name	Designation	Permanent/ contract/visiting	Highest Qualification	Area of Specialization
1	Dr. Anser Ali	In-Charge/ Assistant Professor	Permanent	Ph. D/ PostDoc	Cell Biology
2	Dr. Ansar Ahmed Abbassi	Assistant Professor	Permanent	Ph.D	Human Molecular Genetics
3	Dr.Huma Ayub	Assistant Professor	Permanent	Ph.D	Fisheries
4	Dr. Rizwan Ullah	Lecturer	Permanent	Ph.D	Environmental Biology
5	Mr.Usman Ali	Lecturer	Permanent	M.Phil	Wild life
6	Mr. Muhammad Toseef	Lecturer	Permanent	M.Phil	Human Molecular Genetics
7	Mr. Rameez Nisar	Jr. Lecturer	Permanent	M.Phil	Human Molecular Genetics
8	Miss.Sundas Farooq	Jr. Lecturer	Permanent	M.Phil	Human Genetics
9	Miss. Samina Noor	Jr. Lecturer	Permanent	M.Phil	Microbiology
10	Miss. Atooba Mushtaq	Jr. Lecturer	Permanent	M.Phil	Biotechnology
11	Miss Kiran Liaqat	Jr. Lecturer	Contract	M.Phil	Cell Biology



DEPARTMENT OF BOTANY

Degree Programs

Faculty/Campus	Departments	Academic Programs		
Natural and Applied Sciences	Botany	Under-graduate	Graduate	Post-graduate
		BS	M.Sc	M. Phil, Ph.D

Academic Activities

- One Day Symposium
(Role of Tunnel Farming in Poverty Mitigation "A Participatory Approach to Young Farmers")
Organized by Department of Botany, MUST Bhimber Campus on Dated:30th November, 2022.



Conference/Seminar/Trainings/Workshops

Dr. Muhammad Ajaib, Associate Professor was organized one-day seminar entitled "Significance of Silviculture and Horiculture as Entrepreneurship for Students and Indigenous Communities" Dy. Conservator Department of Forest was Guest Speaker and Students of Department of Botany participated in the event on June 9th, 2023.

1. Tanveer Hussain, S. Kanwal, M. Ishtiaq and Aroosa Azeem. Biological Activities of Selected Medicinal Plants For the Management of Dominant Mycopathogenic Diseases of Pennisetum Typhoideum Spread in Tehsil Barnala, District Bhimber Azad Jammu and Kashmir, Presented in "8th International & 17 National Conference on Advances in Plant Sciences in the Era of Climate Change" held in GC University of Lahore and University of the Punjab, Lahore, Pakistan. Dated: 26-28 October, 2022.
2. Tanveer Hussain and M. Ishtiaq. Impact of epidemic fungal diseases on Cereals crops and their bio management leads to abrupt climatic changes in relation to sustainable agriculture in district Bhimber, Azad Kashmir, Pakistan. Presented in "1st International Conference on Climate Change (ICCC-2022)" held in Faculty of Agriculture and Environment, The Islamia



University of Bawalpur, Pakistan, Dated: 22-24 Nov. 2022.

3. Tanveer Hussain and M. Ishtiaq. Impact of Micro-Aerial Fungi and Micro-Soil Fungi on climatic changes near coastal areas of Mangla Dam Mirpur, Azad Kashmir, Pakistan. Presented in "1st International Conference on Climate Change (ICCC-2022)" held in Faculty of Agriculture and Environment, The Islamia University of Bawalpur, Pakistan, Dated: 22-24 Nov. 2022.
4. Tanveer Hussain, One Day Training on "Wolters Kluwer OVID Database" Organized by Allan Finn Senior Training Consultant, OVID - Wolters Kluwe, held on 11 Oct. 2022.

Thesis/Research Reports

Student Name	Title	Supervisor
Sajid Mehmood	Investigation of some Ethnopharmacological Effects of Leaves, Barks and Fruits of <i>Cissus trifoliata</i> .	Dr. Muhammad Ajaib
Faiqa Shahzad	Biochemical Investigation and Some Biological Activities of <i>Sclerocarpus africanus</i> Jacq. ex Murray	Dr. Muhammad Ajaib
Alina Ashfaq	Biochemical Investigation and Some Biological Activities of <i>Cotinus coggygia</i> Scop.	Dr. Muhammad Ajaib
Gul E Kainat	Analysis of Impacts of Ecological and Edaphological Parameters on Vegetation structure and distribution of Plants of Barnala, District Bhimber, Azad Jammu and Kashmir, Pakistan	Dr. Nafeesa Zahid
Nosheen Akhter	In vitro Antifungal Potential of Three Medicinal Plants Against most Dominant Fungal Diseases on Wheat Crop Grown in Pindi Jhunja, District Bhimber, AJK	Dr. Tanveer Hussain
Saima Akram	To Study Foliar Epidermal Anatomy using Light Microscopy for Identification of Grasses in District Bhimber, Azad Jammu and Kashmir, Pakistan	Dr. Neelam Rashid
Isma Ansar	Systematic and Medicinal Investigation of <i>Euphorbia</i> Species Growing in District Bhimber, Azad Jammu and Kashmir, Pakistan	Dr. Neelam Rashid
Farhat Bi	Floristic and Ethnopharmacological Analysis of Some Selected Species of <i>Asteraceae</i> from Azad Kashmir	Dr. Mehwish Maqbool
Rabia Afzal	Palyno-morphological attributes of some selected plant species of family <i>Mimosaceae</i> Growing in District Mirpur, Azad Jammu & Kashmir, Pakistan	Dr. Neelam Rashid
Mariram Shafiq	Investigation of photochemistry, traditional uses and biological activities of selected species of genus <i>ficus</i> .	Dr. Nafeesa Zahid
Arooba Kanwal	Investigation of Antidiabetic Activity and Phytochemical Analysis of <i>Princepia utilis</i>	Dr. Muhammad Ajaib
Arousha Zamir	Floristic composition, vegetative structure and rangland condition of some communities of Horran in District Bhimber, Azad kashmir	Dr. Nafeesa Zahid



Isma Ansar	Systematic and Medicinal Investigation of Euphorbia Species Growing in District Bhimber, Azad Jammu and Kashmir, Pakistan	Dr. Neelam Rashid
Farhat Bi	Floristic and Ethnopharmacological Analysis of Some Selected Species of Asteraceae from Azad Kashmir	Dr. Mehwish Maqbool
Maria Ishtiaq	Antimicrobial Analysis of Ethnoveterinary Phytomedicines Used By Indigenous Communities of Samahni Area of District Bhimber Azad Jammu and Kashmir	Dr. Tanveer Hussain
Rabia Afzal	Palyno-morphological attributes of some selected plant species of family Mimosaceae Growing in District Mirpur, Azad Jammu & Kashmir, Pakistan	Dr. Neelam Rashid

Faculty Development Program

HEC approved supervisors

Sr. No.	Name of Faculty	Designation	Status
1.	Dr. Muhammad Ajaib	Associate Professor	HEC approved Supervisor
2.	Dr. Muhammad Ishtiaq	Associate Professor	HEC approved Supervisor
3.	Dr. Tanveer Hussain	Assistant Professor	HEC approved Supervisor
4.	Dr. Neelam Rashid	Lecturer	HEC approved Supervisor

Faculty Qualification

Sr. No.	Name	Designation	Permanent/ contract/visiting	Highest Qualification
1	Dr. Muhammad Ishtiaq	Professor	Permanent	PhD
2	Dr. Muhammad Ajaib	Associate Professor	Permanent	PhD
3	Dr. Tanveer Hussain	Assistant Professor	Contract	PhD
4	Dr. Neelam Rashid	Lecturer	Permanent	PhD
5	Ms Waheeda Mushtaq	Lecturer	Permanent	M.Phil.
6	Ms. Sadia Jehangir	Lecturer	Permanent	M.Phil.
7	Mr. Noman Rafique	Junior Lecturer	Permanent	M.Phil.
8	Ms. Rehana Anwar	Junior Lecturer	Contract	M.Phil.
9	Ms. Hajra Masood	Lecturer	Contract (Lump sum)	M.Phil.



Faculty Details

Sr#	Name	Designation	Permanent /contract/ visiting	Highest Qualification	Area of Specialization
1	Dr. Muhammad Ajaib	Associate Professor	Permanent	PhD	Plant Taxonomy, Ethnopharmacology and Ethnobotany
2	Dr. Muhammad Ishtiaq	Professor	Permanent	PhD	Plant Biosystematics, pharmaceuticals and plant Biodiversity Conservation
3	Dr. Tanveer Hussain	Assistant Professor	contract	PhD	Mycology and Plant Pathology, Plant Microbe Interactions, Microbiology
4	Dr. Neelam Rashid	Lecturer	Permanent	PhD.	Plant Taxonomy, Biodiversity & Conservation, Ethnobotany, Phytochemistry, Nutraceuticals, Renewable Energy, Biomass energy and Biofuel Technology, Herbarium Digitization & Georeferencing
5	Ms Waheeda Mushtaq	Lecturer	Permanent	M.Phil.	Biotechnology
6	Ms. Sadia Jehangir	Lecturer	Permanent	M.Phil.	Plant Biochemistry and Molecular Biology
7	Mr. Noman Rafique	Junior Lecturer	Permanent	M.Phil.	Plant Physiology
8	Hjara Masood	Lecturer	Contract (lumpsum)	M.Phil.	Botany
9	Ms. Rehana Anwar	Junior Lecturer	contract	M.Phil.	Ethnobotany

Students Details

Degree	Semester						
	Bridging	2nd	4th	6th	8th	10th	Total
B.S in Botany		42	50	42	38		192
B.S in Botany 5th semester	23						23
M.Sc. in Botany			19				19
M.Phil. in Botany		17	34				51
PhD in Botany				4	01	01	06
Total							271



DEPARTMENT OF CHEMISTRY

Introduction

At present, the department of chemistry offers courses leading to M.Sc, M. Phil. and Ph.D degrees. M.Sc degree program is two years course work in chemistry. This is to provide training in the four special mainstream areas i.e. Physical, Inorganic, Organic and Analytical Chemistry. This combination of courses aims to provide familiarity with general and applied fields of chemistry.

Mission

“To develop the human resources with the capability to comprehend theoretical and applied aspects of different branches of chemistry by providing them conducive environment of teaching and learning, and expand their cognitive frontiers by introducing internationally recognizable research program”

PhD Thesis Defense

Mr. Hasnain Mehmood has successfully defended his PhD research work titled "SYNTHESIS OF THIOSEMICARBAZIDE BASED SCAFFOLDS FOR POTENTIAL BIOLOGICAL APPLICATIONS" under the supervision of Dr. Tashfeen Akhtar (Associate Professor) on 28th October 2022. Professor Dr. Muhammad Arfan, NUST, Islamabad was the external examiner. Mr. Hasnain Mehmood has published 3 research articles in international peer reviewed journals.

M. Phil Thesis Defense

During 2022-23, Thirty-three MPhil scholars of department of Chemistry have defended their theses.

Retirement

Prof. Dr. Muhammad Aziz Ch. Retired on 31-08-2022 as Dean Faculty of Natural and Applied Sciences/ Professor from the Department of Chemistry.

DEPARTMENT OF MATHEMATICS

1st International Mathematics Seminar organized by Department of Mathematics

The seminar was held in March 03, 2023 in the department of Mathematics. In the subject seminar the department has invited one international and to national speakers. The students of the University and specially the students of the department of Mathematics attended the seminar. The program was started with the recitation of Holy Quran. After recitation, Prof. Dr. Rashida Hussain, chairperson department of Mathematics welcomed all the participants. International Speaker Dr. Muhammad Nadeem, discussed about most emerging field of Mathematics the Partial Equations. Moreover, he guided student, how to apply for higher studies in China, while National Speaker Prof. Dr. Qasim Ali ch from UET Lahore spoke on the topic of Mathematical Modeling and discussed about the Traffic Models.

At the end worthy Vice Chancellor Brig (R) Prof. Dr. Muhammad Younas Javeed SI(M) addressed the closing ceremony and appreciated the efforts of Chairperson for arranging seminar. For the closing words, Prof. Dr. Rashida Hussain, expressed her views.



Friday,
March 03,
2023

1st International MATHEMATICS Seminar 2023

International Speaker
Dr. Muhammad Nadeem
Associate Professor,
School of Mathematics and Statistics
Qijing Normal University, China

National Speaker
Prof. Dr. Muhammad Mushtaq
Department of Mathematics
UET Lahore

Prof. Dr. Qasim Ali Chaudhry
Department of Mathematics
UET Lahore

Contact
Ph. (+92)5827-961122
www.must.edu.pk
chairperson.maths@must.edu.pk

Organized by
Prof. Dr. Rashida Hussain
Chairperson: Department of Mathematics





Award of Mathematics Department

It is a great honor for the Department of Mathematics to be the first at MUST to have produced the 6th Phd in academic year 2022-23. In addition two scholars have submitted their thesis as well.

The first of the sixth newly minted PhDs was completed in March, under the supervision of Prof. Dr. Rashida Hussain. The next followed in June under the supervision of Dr. Syed Zakir Hussain Bukhari, after which three more completed in the month of August. Two of them were supervised by Prof. Dr. Rashida Hussain and one by Dr. Asghar Ali. The sixth and final one have completed her PhD in September 2023, under the supervision of Dr. Aamir Sagheer.

1st Ph.D. Defense of Mathematics Department

On March 20, 2023, PhD scholar Ms. Ghazala Gulshan, Department of Mathematics, Mirpur University of Science and Technology (MUST), Mirpur AJ&K successfully defended her PhD thesis after completion of her research under the supervision of Prof. Dr. Rashida Hussain.



2nd Ph.D. Defense

On June 26, 2023, PhD scholar Ms. Maryam Nazir Department Mathematics, Mirpur

University of Science and Technology (MUST), Mirpur AJ&K successfully defended her PhD thesis after completion of her research under the supervision of Dr. Syed Zakir Hussain Bukhari, Associate Professor.



3rd Ph.D. Defense

PhD scholars Ms. Asia Latif, Ms. Nimra Akram and Ms. Rahila Malik from the Department of Mathematics, Mirpur University of Science and Technology (MUST), Mirpur AJ&K successfully defended their PhD thesis after completion of research under the supervision of Prof. Dr. Rashida Hussain, and Dr. Asghar Ali respectively.





4th PhD Open Public Defense

PhD scholar Ms. Aneeqa Khadim Department of Mathematics of Mirpur University of Science and Technology (MUST), Mirpur AJ&K successfully defended her PhD thesis after completion of her research under the supervision of Dr. Amir Sagheer , Associate Professor .



Dean Faculty of Social Sciences and Humanities



The fields of Social Sciences and Humanities are creative, engaged and interdisciplinary by nature, so a degree in liberal arts/ Social Sciences and Humanities exposes the students to various ways of thinking, analyzing and questioning, introducing them to newer world views, providing them with an attitude and skillset, which help them grapple with the challenges of the day and orients their thinking around concerns of social justice and the creation of a more ethical, just and inclusive tomorrow.



**PROF. DR. TAHSEEN
GHOUS**

Dean
Dean Faculty of
Social Sciences and
Humanities



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<https://must.edu.pk/dean-faculty-of-social-sciences-humanities/sciences/>





Dean's Message

Welcome to the Faculty of Social Sciences and Humanities! I feel privileged and honored to be the Dean of the Faculty of Social Sciences and Humanities (FSSH) at the Mirpur University of Science and Technology (MUST). Currently comprising of twelve academic departments, the Departments of English, Economics, Law, Education, International Relations, Sociology, Media and Communication Studies, Islamic Studies, Tourism and Hospitality, Home Economics, Fashion and Design with plans of introducing more learning opportunities in other disciplines of the broader liberal arts. The faculty is housed in three campuses, spread over three different beautiful districts of the Azad Jammu and Kashmir; the district of Mirpur, Bhimber and Palandri. The Faculty of Social Sciences and Humanities (FSSH) is one of the six major faculties of our University and is a center of learning that offers a wide range of fields of study in the university system. The fields of Social Sciences and Humanities are creative, engaged and interdisciplinary by nature, so a degree in liberal arts/Social Sciences and Humanities exposes the students to various ways of thinking, analyzing and questioning, introducing them to newer world views, providing them with an attitude and skillset, which help them grapple with the challenges of the day and orients their thinking around concerns of social justice and the creation of a more ethical, just and inclusive tomorrow. FSSH boasts a well-qualified and committed academic staff, an impressive blend of experienced academics with young and energetic ones working together, planning and implementing course curricula in their degree programs and contributing to research and innovation in their respective disciplines. The composition of our academic staff is representative of the diverse skills and expertise in many fields of study, Many of them have obtained their qualifications and training from reputed and recognized universities of Pakistan and around the world. The oldest of our departments- the department of Home Economics which was a part of the University of Azad Jammu and Kashmir, Muzaffarabad upto 2009, is playing a vital role in preparing good quality, skilled and well-rounded graduates. Our prospective students will enjoy an array of extra- and co-curricular activities such as various sports activities, study tours, etc. The faculty also provides students with library facilities where they can access reputed academic databases of the world. In addition, computer laboratory facilities within the faculty as well as sports facilities are made available for our students. The faculty offers hostel facilities where male and female students are expected to apply annually for the available placements. We also offer a variety of different scholarships, including, University Merit Based Scholarship, MUST Need-Based Scholarships, HEC Need Based Scholarships, Pakistan Scottish Scholarship Scheme for Young Women, HEC-EHSAAS Scholarship Project, HBL Foundation Scholarship Scheme, National Endowment Scholarships for Talent (NEST), Prime Minister Wheel Chair Scholarship Program etc. The Faculty is fully committed to polish personalities of our graduates with sound knowledge, healthy attitudes and versatile skills reified in a disciplined environment, which we hope will make them an asset to whichever social and professional set-up they find themselves in. We at the FSSH, are preparing future teachers, public intellectuals, lawyers, journalists, economists, critical thinkers, world leaders, home economists and overall good human beings with sound religious and cultural values. We hope the rigor, training and disposition will also inadvertently contribute to our students doing justice to representing Kashmir and its stance on international academic and public platforms. Steered by an eminent group of scholars and assisted by our vibrant student community. The future of FSSH&H looks bright and promising. We are committed to help foster critical thinking, creative expression and intellectual inquiry in our students, and in helping them become well-rounded individuals and socially responsible citizens and setting them on the path of life-long learning and the pursuit of all things noble! I welcome you to join FSSH&H for a holistic learning experience and your prosperous future. I hope to see many of you reading this, join us and I look forward to interact with you.



DEPARTMENT OF INTERNATIONAL RELATIONS

The Department of International Relations at Mirpur University of Science and Technology (MUST), Mirpur AJ&K is a leading department offering a comprehensive BS program in International Relations. It is committed to provide students with a deep understanding of the complex and dynamic world of international affairs. The curriculum covers a wide range of topics, including international security, international political economy, diplomacy, and foreign policy, while preparing students with the analytical and critical thinking skills necessary to navigate this complex field.

Building Sustainable Tourism in Azad Jammu & Kashmir

09 June 2022, Mirpur AJK

The Department of International Relations, Mirpur University of Science and Technology (MUST), and the Centre for Peace, Development, and Reform (CPDR) collaborated in the launch of a groundbreaking research report titled "Building Sustainable Tourism in Azad Jammu & Kashmir," authored by Dr. Shaheen Akhtar, Professor at the National Defense University (NDU), Islamabad.

During her speech at the event, Dr. Shaheen Akhtar talked about some of the obstacles impeding the growth of the tourist industry in AJK and provided incisive recommendations for developing AJK's tourism policy. Dr. Sohaib Khaliq, Coordinator Department of International Relations at MUST, spoke at the occasion and emphasized the necessity for research on sustainable development in AJK. The senior class from the MUST IR Department actively participated in the process and asked a number of thought-provoking questions throughout the discussion. Ershad Mehmood, a well-known journalist from AJK, and Dr. Waqas Kausar, a professor at the National University of Modern Languages (NUML) in Islamabad, answered questions from students and other participants. Various NGOs, civil society activists, concerned individuals, and media professionals also attended the event.



The Role of Social Sciences in Promoting SDGs in Pakistan

Date: June 2nd ,2023

The Department of International Relations at MUST organized a webinar on "The Role of Social Sciences in Promoting SDGs in Pakistan." The webinar aimed to explore the contributions of social sciences in advancing the Sustainable Development Goals (SDGs) within the context of Pakistan. The event featured prominent speakers and attracted participants from the IR department.

The webinar proved to be an informative and insightful event. The speakers highlighted the significance of social sciences in addressing the challenges and gaps in the implementation of SDGs. Their valuable insights underscored the need for a pragmatic approach, bridging the gap between society's needs and SDG implementation, and transitioning to green energy sources. The participation of IR



students further enhanced the interactive nature of the event, promoting an engaging and enriching learning experience.

The webinar served as a platform for fostering awareness, understanding, and dialogue on the crucial role of social sciences in promoting sustainable development in Pakistan.

Department of International Relations

Mirpur University of Science & Technology AJ&K (MUST)
is organizing a Webinar on
The Role of Social Sciences in Promoting SDGs in Pakistan

Dated Friday 2nd June, 2023
Time: 2:00 - 4:00 pm (PST)

Speakers




Dr Attiq ur Rehman
Assistant Professor, Department of
International Relation NUML
Islamabad



Dr Mujahid Hussain
Assistant Professor, Department of
Humanities & Social Sciences, Bahria University
Islamabad



Mr. Usman Ghani
Visiting Research Scholar,
Columbia University, New York
USA



Moderator
Dr. Sohaib Khaliq
Department of International Relation, MUST

Google Meet Joining Info
Video call link: <https://meet.google.com/tgn-tdfh-ptx>
Or dial: (US) +1 2830-752-413 PIN: 831 756 357#

**SUSTAINABLE
DEVELOPMENT
GOALS**



INSTITUTE OF ISLAMIC STUDIES

One-day Seminar on Seerat-al-Nabi ﷺ

The Institute of Islamic Studies and the Department of Education organized a one-day seminar on the topic of Seerat-al-Nabi ﷺ (The Life and Teachings of Prophet Muhammad) at the Mechanical Hall on September 26, 2023. The seminar featured lectures by a group of experts from various universities in Pakistan.

The event was graced by the presence of distinguished guests, including Prof. Dr. Tahseen Ghouse, who holds the position of Dean Faculty of Social Sciences and Humanities (F.S.S.H.) at MUST in Mirpur (AJK). He was the Chief Guest for the seminar. Additionally, Dr. Nasim Akhtar from the Department of Economics served as the guest speaker, sharing insights and knowledge with the attendees.

An enlightening presentation was delivered by Anisa Latif, an MPhil scholar affiliated with the Institute of Islamic Studies (IIS). She shared her expertise on the topic of Seerah, utilizing a projector to enhance the learning experience for the audience.

The seminar was attended by Deans of faculties, directors, chairpersons, faculty members, and university students. This diverse participation contributed to a rich and stimulating intellectual exchange during the conference.

The seminar served as a platform for experts and enthusiasts to share and gain knowledge about Seerat-al-Nabi ﷺ, fostering a spirit of academic collaboration and enlightenment among the attendees.





Religious Sciences

The Institute of Islamic Studies organized a two-day workshop on "Modern Research Discourses in Religious Sciences." On 22,23 Feb 2023

Throughout the workshop, several distinguished experts delivered insightful lectures. The first lecture centered around the intriguing question, "Who Am I?"

The workshop's second session featured a lecture delivered by Dr. Muhammad Zulqarnain, currently serving as an Assistant Professor in the Department of Islamic Studies at Al-Qadir University, Jhelum. During his presentation, he provided an in-depth analysis of the steps involved in selecting a research topic at the university level. Dr. Zulqarnain shared valuable insights and guidance, offering participants a comprehensive understanding of the intricate process of choosing a suitable and meaningful research subject. His expertise not only shed light on the theoretical aspects of topic selection but also provided practical tips and strategies, enhancing the attendees' knowledge and skills in conducting research at an academic level. Through his lecture, participants gained valuable knowledge, empowering them to make informed decisions when embarking on their research endeavors.

In the second session, Raja Muhammad Yasin, the Chief Librarian at MUST, discussed the significance of digital resources in the context of religious studies. He provided valuable insights into the vast array of digital resources available for researchers, highlighting their importance in enhancing academic pursuits. His expertise shed light on the accessibility and utilization of digital materials, contributing to the participants' understanding of modern research methodologies within the field of Religious Sciences

In this workshop, participants had the opportunity to delve into thought-provoking discussions, exploring the complexities of personal identity and engaging with the expertise of Dr. Zulqarnain in the field of Islamic Studies. The event aimed to foster a deeper understanding of contemporary research methods and discussions within the realm of Religious Sciences. Through these lectures, attendees gained valuable insights and knowledge, contributing to their academic and intellectual growth in the field.



Dr. Ishtiaq Ahmed Gondal, Associate Professor at SZIC, University of The Punjab Lahore. With his expertise, he shared valuable insights related to Seerat-al-Nabi ﷺ.

Prof. Dr. Muhammad Ijaz: Serving as the Director at SZIC, University of The Punjab Lahore, he contributed his knowledge and expertise to the seminar, enriching the discussions with his deep understanding of the topic.

Dr. Imran Baig Mirza, Assistant Professor in the Department of Islamic Studies at Ripha International University Lahore, he shared his academic perspectives, providing attendees with a well-rounded understanding of Seerat-al-Nabi ﷺ.

The seminar, hosted by IIS at MUST, provided a platform for these experts to share their knowledge and engage in meaningful discussions about the Life and Teachings of Prophet Muhammad ﷺ. The event was not only an opportunity for academic exchange but also a significant step in promoting a deeper understanding of Seerat-al-Nabi ﷺ among the participants and attendees.





One-Day Seminar on Modern Research in Islamic Studies

A seminar focused on modern research in Islamic Studies was organized by the Institute of Islamic Studies (IIS) Mirpur University of Science and Technology (MUST). This one-day event provided an opportunity for scholars to delve into contemporary research methodologies within the field of Islamic Studies. Professor Dr. Zahoor Ullah Alazhari, an esteemed expert in the field, graced the seminar as the keynote speaker. He delivered a comprehensive and detailed presentation, shedding light on various aspects of modern research in Islamic Studies.

During the seminar, Dr. Alazhari shared valuable insights and in-depth knowledge about the latest trends and methodologies in research of Islamic Studies. His presentation

catered to both undergraduate (BS) and postgraduate (MPhil) scholars, providing them with a deeper understanding of the modern approaches and techniques employed in academic research within the realm of Islamic Studies.

Through this seminar, attendees had the opportunity to engage with cutting-edge ideas and methodologies, enabling them to enhance their research skills and stay abreast of the latest developments in the field. Dr. Alazhari's expertise and comprehensive discussion not only benefited the scholars present but also contributed to the overall advancement of research practices within the discipline of Islamic Studies.



Meeting of Departmental Council

The 6th meeting of the Departmental Council was held on 15-02-2023 at 11:30 AM in the office of Director Institute of Islamic Studies, MUST, The meeting started at 11:30am in the office of Director IIS, MUST on 15-02-2023. Mr. Muhammad Imran Khan recited some verses of Quran and Dr. Shehbaz Shabbir recited Naat e Rasool ﷺ. All faculty members and staff were present in the meeting to discuss the following implementation framework at the department level.

The following Members were present in the meeting.

1	Prof.Dr. Tehseen Ghous	Dean Faculty of S.S.H, MUST, Mirpur AJ&K	Convener
2	Prof. Dr. Baqir Khakwani	Ex. Dean Allama Iqbal Open University Islamabad	Subject Expert Member
3	Dr.Manzoor Ahmed	Associate Prof. Department of Islamic Studies HITEC University, Taxila, Pakistan	Subject Expert Member
4	Prof.Dr.Zahoor Ullah ali Azhari	Head of Department Islamic Studies, Al-Qadar University Project Trust, Sohawa Jhelum, Pakistan	Subject Expert Member
5	Dr. Sami ullah Zubairi	Assistant Prof. Faculty of Arabic & Islamic Studies Allama Iqbal Open University Islamabad	Subject Expert Member
6	Tahir Mahmood Qureshi	Lecturer Government Post Graduate Degree College for Boys, Mirpur AJ&K	Representative Of affiliated Colleges
7	Dr. Asghar Ali Khan	Director /Assistant Professor ,IIS MUST Mirpur AJ&K	Senior Faculty member
8	Dr.Tahir Aslam	Assistant Prof. Institute of Islamic Studies, MUST, Mirpur AJ&K	Senior Faculty member
9	The Registrar/ Nominee	MUST, Mirpur AJ&K	Observer
10	Controller of Examination/ Nominee	MUST, Mirpur AJ&K	Member
11	Director QEC/ Nominee	MUST, Mirpur AJ&K	Observer

Item No.	Subject
1	Confirmation of the minutes of the 5th meeting of the Departmental council of the Institute Of Islamic Studies
2	Approval of Amendment/Addition for the Scheme of Study, of Ph.d. Program in Islamic Studies
3	Approval of Amendment/Addition for the Curriculum, of M. Phil. Program in Islamic Studies
4	Approval of Amendment/correction in course codes in Scheme of Studies BS in Islamic Studies
5	Approval of BS 5TH Semester Admission(Switching) / Scheme of Study
6	Approval of External Examiners



Faculty member of IIS obtained a Post-Doctoral position

Dr. Asghar Ali Khan has successfully completed his post-doctoral studies at an esteemed international Islamic university in Islamabad on 31 May 2023. This achievement not only reflects his personal excellence but also brings great honor to the institute he is affiliated with. The fact that one of the institute's members has attained a post-doctoral qualification is a testament to the institution's high standards and commitment to academic excellence.

Furthermore, Dr. Khan's accomplishment holds significant promise for the department and the overall educational quality it offers. His expertise and knowledge gained through the post-doctoral program will undoubtedly contribute to the enhancement of education within the department. This achievement marks a significant step forward, promising an upgraded and enriched learning experience for all students involved.



Haya walk in the University

The Department organized a Haya Walk on 14 February within the university premises, drawing a substantial number of female participants from various departments, particularly the Department of Islamic Studies. At the culmination of the walk, several female members from diverse departments took the stage and delivered impactful speeches. This inclusive approach highlighted the unity and collaborative spirit among the different academic disciplines within the university. The event not only emphasized the importance of modesty and self-respect, as signified by the term "Haya," but also served as a platform for fostering interdepartmental dialogue and understanding.

Faculty of Engineering and Technology



There are 50+ advanced and world-class laboratories for engineering education along with modern classrooms. We are blessed with highly qualified PhD faculty members from technological advanced countries like USA, European Union, South Korea, Japan, Australia, UK and many more.



PROF. DR. NAEEM IQBAL RATYAL

Dean

Dean Faculty of
Engineering and
Technology



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<https://must.edu.pk/dean-faculty-of-engineering/>





Dean's Message

I would be pleased to welcome you by taking the challenge of becoming an aspiring student of Faculty of Engineering and Technology (FoE&T). The faculty of engineering and technology was established in 1980 and laid the foundation of MUST in 2009. The FoE&T presents the colors of dynamic people with leading-edge ideas who are ready to work in highly practical, rigorous, and challenging environment. There are 50+ advanced and world-class laboratories for engineering education along with modern classrooms. We are blessed with highly qualified PhD faculty members from technological advanced countries like USA, European Union, South Korea, Japan, Australia, UK and many more. Being Muslims, we take pride and reflect the real essence in the syllabi of different degree programs. The international image of our program is reflected through its amalgam of best professional approach, CVs of highly qualified faculty and lab engineers, communication skills, ethical values, moral and social trainings and industrial linkages to academia. Our Alumni are the clear evidence of the international image of FoE&T at MUST. The curricula in different programs of engineering at FoE&T involve creative learning, hands-on implementation in labs and combination of research. Alongside the theme of theory and practice, there is an inspiration for research-led teaching. All the programs of FoE&T are based on industrial projects and originality of ideas. The faculty is young and energetic with five departments and is envisaged to grow as a major modern center of excellence for engineering education and research. We have already been placed among the most dynamic, fastest-growing, and excelling faculties in engineering sciences in the country and our programs are accredited at Level II (OBE) by the Pakistan Engineering Council. The faculty endeavors to grow into programs like Biomedical Engineering Technology, Information Engineering Technology, Energy System Engineering, and Information Security Engineering in the near future. Over the course of the next few years, we are hopeful to continue the process of self-evaluation, renewal, and growth of our academic programs, staff, and infrastructure. I hope between our students we may have someone like Mark Zuckerberg of Facebook, Jeff Bezos of Amazon, Elon Musk of Telsa, or Nobel prize winners like Adre Geim Electronic Engineer Koichi Tanaka, Electrical Engineer Sir Charles Kuen Kao, Civil Engineer Paul Jozef Crutzen, Mechanical Engineer Dan Shechtman. We highlight the knowledge curve through "Learn by Doing It".



DEPARTMENT OF COMPUTER SYSTEM ENGINEERING

Degree Programs

Faculty/Campus	Departments	Academic Programs	
Engineering and Technology	CSE	Under-graduate	Graduate
		B.Sc. Computer Systems Engineering (16 Years of Edu.)	M.Sc. Computer Systems Engineering (18 Years of Edu.)

Academic Activities

Details of the Meetings of Departments Council

- March 17, 2023, 13th meeting of the Departmental Council of the department of Computer Systems Engineering
- September 13, 2022, 12th meeting of the Departmental Council of department of Computer Systems Engineering

Details of the Meetings of Industrial Advisory Board (IAB)

- March 16, 2023, 7th meeting of Industrial Advisory Board (IAB) of department of Computer Systems Engineering
- August 31, 2022, 6th meeting of industrial advisory board (IAB) of department of Computer Systems Engineering

The list of faculty trainings for OBE implementation

S.No.	Training Program	Faculty member / Participant	Organized by	Resource Person	Duration / Venue
1	Learning Through Problems	CSE Faculty	CSE Department	Engr. Dr. Taqi Ahmad Cheema	1-Day, 17-02-2023
2	Complex Engineering Problem training	All faculty	CSE Department	Dr. Muhammad Wasif	1 Day, 19-10-2022
3	Open Ended Lab training	All faculty	CSE Department	Dr. Zubair Khalid (Federal Urdu university Isb.)	1 Day, 29-08-2022



List of Faculty Trainings/Workshops/CPD

Sr. #	Training Program/Topic	Faculty member /Participant	Sponsored/ Resource Person	Date/Duration
1	Network security & database vulnerabilities	Engr. Dr. Sajid Hussain	IBM	31-07-2023
2	Microteaching	All Faculty	Engr. Bilal Ahmed	24-07-2023
3	Classroom Management	All Faculty	Engr. Prof. Dr. Naeem Iqbal Ratyal	17-07-2023
4	Teaching as a Profession	All Faculty	Engr. Prof. Dr. Hassan Mujtaba Jaffri	10-07-2023
5	Play It Safe: Manage Security Risks	Engr. Hafeez Ahmed	Google Coursera Learner	26-06-2023
6	Chat GPT and Professional Integrity	Engr. Sarish Abid		23-06-2023
7	Dynamic Entrepreneurship for Engineers	Engr. Bilal Ahmed Engr. Dr. Ashfaq Ahmed Engr. Hafeez Ahmed	PEC	14-06-2023
8	Project Initiation: Starting a Successful Project	Engr. Dr. Sajid Hussain	Google Coursera Learner	10-06-2023
9	Algorithms for searching, sorting, and indexing	Engr. Safeena Razaq	GU, University of Colorado Boulder Google Coursera Learner	07-06-2023
10	Foundations of cybersecurity		Google Coursera Learner	28-05-2023
11	Cybersecurity Roles, Processes & Operating System Security	Engr. Dr. Sajid Hussain	IBM	27-05-2023
12	Foundations of Project Management	Engr. Dr. Sajid Hussain	Google Coursera Learner	23-05-2023
13	Solar and Wind Power Potential in Pakistan	Engr. Dr. Sajid Hussain Engr. Safeena Razaq	PEC	19-05-2023
14	Introduction to Cybersecurity Tools & Cyber	Engr. Dr. Sajid Hussain	IBM	18-05-2023
15	Future of Drone industry	Engr. Sarish Abid	PEC	10-05-2023
16	Program Evaluators	Engr. Dr. Sajid Hussain	National Technology Council	02-05-2023
17	Cellular Networks (2G to 5G technology: future applications)	Engr. Sarish Abid Engr. Safeena Razaq Engr. Dr. Ashfaq Ahmad Engr. Hafeez Ahmed Engr. Dr. Sajid Hussain	PEC	18-04-2023



	Blockchain Basics	Engr. Dr. Sajid Hussain	UB	16-04-2023
18	Application of internet of things in smart homes	Engr. Dr. Ashfaq Ahmed Engr. Dr. Sajid Hussain Engr. Bilal Ahmed Engr. Sarish Abid	Hamdard University Islamabad Campus	16-04-2023
19	An overview on IEEE Publication Process	Engr. Dr. Sajid Hussain	IEEE	05-04-2023
20	AI for everyone	Engr. Dr. Sajid Hussain	Google Coursera Learner	29-03-2023
21	Digital Transformation	Engr. Safeena Razaq	PEC	17-03-2023
22	Supervised machine learning: regression and classification	Engr. Safeena Razaq	DeepLearning.AI	13-03-2023
23	Introduction to basic game development using scratch	Engr. Safeena Razaq	Google Coursera Learner	09-03-2023
24	Programming for everybody (Getting started with python)	Engr. Safeena Razaq	Google Coursera Learner	16-02-2023
	Internet of Things Developer	Engr. Dr. Ashfaq Ahmed	The Presidential Initiative Artificial intelligence & computing	30-01-2023
25	Marketing Strategy for SMEs	Engr. Bilal Ahmed Engr. Hafeez Ahmed	ORIC	1 Day, 11-08-2022
26	Networks Security	CSE Faculty	Imtiaz Ahmed Bhat, Director NTC MUST	1 Day 08-06-2022
27	Patent drafting, filing and procedure in Pakistan	Engr. Raja Muhammad Basharat Manzoor Engr. Waqas Riaz	ORIC	1 Day, 14-03-2022
28	Orientation Session on Business Model development	Dr. Sajid Hussain	ORIC	1 Day 09-03-2022
29	Orientation session on small research grant programme	CSE Faculty	ORIC	1 Day, 10-02-2022
30	Intellectual property rights in Pakistan	Engr. Bilal Ahmed	ORIC	1 Day, 04-01-2022
31	Orientation session on small research grant programme	CSE Faculty	ORIC	1 Day, 10-02-2022
32	Intellectual property rights in Pakistan	Engr. Bilal Ahmed	ORIC	1 Day, 04-01-2022



Orientation day

The Society of Computer Systems Engineering (SCSE) organized an orientation day for the new batch of students joining the field of computer systems engineering from 2022 to 2026. The event provided a warm welcome and acquainted the students with the society and its activities. The orientation day began with a welcoming introduction by the SCSE leadership, providing an overview of the society's mission, goals, and the benefits of membership. Engaging presentations were given by distinguished guest speakers, who shared their experiences and insights into the field.



The students received information about available resources, research opportunities, and mentorship programs offered by the SCSE. Interactive sessions and networking activities were organized to foster connections among the students and establish relationships within the SCSE community. The orientation day aimed to inspire and guide the new students, equipping them with the knowledge and support necessary for success in their academic and professional pursuits in computer systems engineering.

Presentation Competition

The Society of Computer Systems Engineering (SCSE) organized a presentation competition for its members. This competition aimed to provide a platform for members to showcase their expertise, research, and innovative ideas in the field of computer systems engineering. Participants were given the opportunity to deliver engaging presentations on various topics related to computer systems engineering, such as emerging technologies, system optimization, cybersecurity, or artificial intelligence. The competition encouraged participants to demonstrate their communication skills, technical knowledge, and the ability to convey complex concepts effectively. Judge, Eng. Bilal Ahmed, evaluated the presentations based on criteria such as content, delivery, and presentation skills. Overall, the presentation competition organized by the SCSE provided a stimulating environment for members to enhance their presentation skills, share their research findings, and contribute to the advancement of computer systems engineering.





National Conference Freelancing and Entrepreneurship

In today's ever-changing landscape, freelancing and entrepreneurship have become integral to professional growth and economic development. The National Conference on Freelancing and Entrepreneurship aimed to shed light on the significance of these domains and create a platform for professionals to gather, learn, and network.

MMS and SCSE organized National Conference on 5th June, 2023 in Mechanical Hall MUST. An inspiring day filled with learning and networking.

By *MMS And SCSE

The poster features a blue background with a circuit-like pattern. At the top left are logos for Pakistan Ideological Civilization (PIC) and SCSE. At the top right is the MUST Media Society logo. The main title 'NATIONAL CONFERENCE' is in large white letters, followed by 'On Freelancing & Entrepreneurship 6.0'. Below this, the date and time are listed: 'June 05, 2023 | Monday | 10:00AM - 3:00PM'. The venue is 'Mechanical Hall MUST MirPur AJK'. The organizers are 'ORGANIZED BY: Pakistan Ideological Civilization' in collaboration with 'MUST Media Society & SCSE'. At the bottom, it says 'Our Proud Sponsors:' followed by logos for Divas Desire, UA International, and other entities.



DEPARTMENT OF SOFTWARE ENGINEERING

First Event On FYDP (Final year Development Project)

Speaker: Engr. Fakhar Jabran, Fahad Raja

Date: November 10th, 2022

Department of Software Engineering has successfully organized a seminar on FYDP for session 2019-2023 and this session was also for assisting every student of the department about final year projects. This event was held on 10th November, 2022.

Fyp Guidelines Session

Speaker: Muhammand Suleman

Date: 31st, January 2023

This event was held on 31st January, 2023 and Muhammad Suleman from Muslim Hands, Mirpur-AJK was the guest speaker.

Workshop On Web For Session 2020-2024

Speaker: Faisal Javed

Date: February 14th, 2023

Workshop on web for session 2020-2024 .

Metaverse And Cyber Security

Speaker: Engr. Fakhar Jabran, Areeb Khan

Date: February 22nd, 2023

The metaverse, a convergence of physical and digital realms, is an immersive digital universe where users interact with each other and digital objects in real time. Imagine a space where augmented and virtual reality intertwine, enabling us to work, socialize, play, and create in entirely new ways. This evolving concept holds transformative potential across industries, from entertainment and education to business and beyond.

Cybersecurity is the foundation upon which the metaverse's success stands, and it's our collective responsibility to ensure that this exciting new reality is as safe and secure as it is transformative. As pioneers of this digital frontier, let us forge ahead with a clear vision, ensuring that the metaverse becomes a testament to human ingenuity and a sanctuary of boundless exploration – while safeguarding our virtual homes with the armor of cybersecurity. This event was organised for the understanding of these amazing and vast fields.



Workshop On Technical Report by Dr. Nouman Ali- February 16Th, 2023

In our fast-paced and interconnected world, effective communication is a cornerstone of progress.

Technical report writing serves as a conduit, enabling the transfer of specialized knowledge, research findings, and innovative ideas from one mind to another. It's not merely about words on paper; it's about capturing the essence of complex concepts and presenting them in a manner that resonates with readers.

Current Trends In E-Commerce

Speaker: Hafiz Ahmed
Date: March 3rd, 2023

E-commerce has come a long way from its humble beginnings. What started as a novel concept has now become an integral part of our daily lives, with a global reach that defies borders and time zones. As technology advances, so does e-commerce, adapting and evolving to meet the everchanging demands of modern consumers.

Orientation Session For New Intake

Date: March 9th, 2023

Starting university is an exhilarating experience, but it can also be accompanied by a mix of emotions – excitement, uncertainty, and perhaps a touch of apprehension. Every student embarks on this journey with unique aspirations and dreams. The goal of this event is to guide and support students as they acclimate to the new environment and embrace the opportunities that lie ahead.

Mangla Power House Tour

Date: June 2nd, 2023

Mangla power house tour was arranged by SES for session 2019-2023.

Career In Technology

Speaker: Ahmed Manzoor
Date: June 13th, 2023

Guiding students about careers in technology is important as it's a rapidly evolving and diverse field. Here in this event Ahmed Manzoor, the speaker told students how they can achieve their career in technology.

Pec Re-Accrediation Visit Day-1

August 28-2023
PEC Re-accrediation Visit

Bridging the realms of academia and industry

August 17, 2023

On August 17, 2023, at MUST's Secretariat Jari khas, an important collaboration unfolded. Through the SES platform, Youth International Conclave(YIC) established contact with Mirpur University of Science and Technology, paving the way for the signing of the Memorandums of Understanding between YIC, Aliya Begum Diagnostic, Cancer Care Center & MAA Foundation, and MUST. The Vice Chancellor, Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), along with representatives from all parties, engaged in discussions about their organizational structures and various initiatives before formalizing the MoUs.



DEPARTMENT OF ELECTRICAL ENGINEERING

Fire Drill at Electrical Engineering Department

Fire Drill, Fire Emergency and Safe Exit Training for the Department of Electrical Engineering took place on 14th March 2023 @ 10:00 am. The Event was organized by the Department of Electrical Engineering with the help of Department of Civil Defense, Mirpur AJK. Dean Faculty of Engineering and Technology, Engr. Prof. Dr. Hassan Mujtaba Jafri participated as the guest of honor.

Faculty members and students from Department of Computer System Engineering, Department of Software Engineering, Department of Civil Engineering, Department of Mechanical Engineering and Mirpur Institute of Technology participated too.

A comprehensive training was performed on using the fire extinguishers and safe exit in the case of the any emergency. The need of the training arose from the facts that the building of Electrical Engineering comprises of three stories, inclusive of library, class rooms, labs, and faculty offices with almost 500 employees and students.

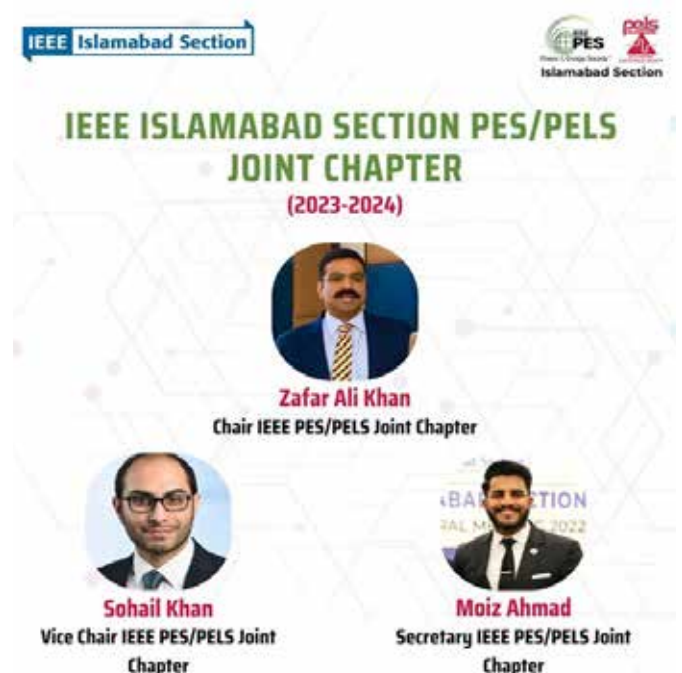


Dr Zafar Ali Khan, Assistant Professor, Electrical Engineering Department has been appointed as Chair IEEE PES/PELS

Joint Chapter, IEEE

Islamabad Section. Dr Zafar, is a senior member of IEEE and has vast experience in energy industry and academia.

Electrical Engineering Department welcomes this new appointment and wishes Dr Khan a successful tenure as chair of PES/PELS joint chapter.



Best Final Year Design Project Awards

The Final Year Design Project (FYDP) as a compulsory requirement during the undergraduate degree program which aims to demonstrate innovative/ creative, technical, management and communication skills along with the knowledge earned during the program.

Pakistan Engineering Council (PEC) therefore launched an initiative namely "Financing Final Year Design Projects" to boost up the quality education and competency among engineering graduates through competition of their respective FYDPs.

Two projects from Department of Electrical Engineering at Mirpur University of Science and Technology, (MUST) are selected for the finance award all over Pakistan by PEC. Engr. Dr. Sohaib Manzoor, Lecturer Department of Electrical Engineering and Manager Innovation and Commercialization, won both of the projects.

Convener, PEC Pakistan Development Committee and advisor to Chairman PEC Engr. Mir Masood Rashid distributed the awards to the students and the supervisor.

The Vice Chancellor Brig. Prof. Dr. Muhammad Younas Javed SI (M) congratulated the hard efforts and enthusiasm put by the respective supervisor in uplifting the research at MUST.



National Assembly Visit

The paradigm Association, Mirpur University of Science and Technology (MUST), under the advisership of Engr. Dr. Anzar Mahmood, Associate Professor, department of Electrical Engineering is striving for the personality development and promotion of positive activities among students. One of its recent activities is being reported here in which the association's advisor and a delegation comprising of student members visited the National Assembly of Pakistan and observed the running session on 14th of the June 2023. The prior approval of the said visit was sought from secretary assembly through a request on 22nd May 2023.

The MUST delegation reached at 11: 00 am at the National Assembly and was received by the protocol officer Sardar Sakhawat Ali. The host managed the detailed visit of the National Assembly and the Senate of Pakistan. After a detailed visit, the MUST delegation was headed to the gallery of the guests for observation of the running session. After arrival of the delegation in the gallery, the honorable Speaker Assembly properly announced that the students and faculty members from Mirpur University of Science and Technology (MUST), Mirpur have joined us in the gallery as guests. The house members welcomed the delegation with loud clapping. The delegation observed the session till the break for Zohar prayer. Then the visit ended with the last activity of visit of the Senate Museum.





IGNITE/Ngiri Announcement

It is to announce with great privilege that 10 competitive IGNITE/Ngiri Projects from Electrical Engineering are shortlisted for Funding. The projects accepted range in topics from modern trends in cyber security, automation and control, energy informatics, power system design, electronics and telecom.

Ngiri is an initiative by the Ministry of Information Technology and Telecom and the program is executed by IGNITE which aims to provide financial support to selected Final Year Projects (FYP) of undergraduate students, enrolled in ICT related disciplines to promote R&D and Innovation at grassroots level.

The selection of the highest number of projects from Electrical Engineering Department shows the dedication, expertise and passion of the faculty members working vigorously to polish the research skills of the undergraduate and post graduate students.

Electrical Engineering Department aims to enlighten academia and industry gap by producing quality research not only on paper but through testbed designs which create an impact in society and fulfil the market demands of Pakistan. The Department being the pioneering engineering department aims to produce miracles with the same pace.

An Effective Pitch Deck

Today on 12th September 2023, A workshop on "An Effective Pitch Deck" was arranged by the Office of Research Innovation and Commercialization (ORIC) at MUST Smart Classroom from 10:30 am to 12:00 pm.

Engr. Dr. Sohaib Manzoor, Manager, Innovation and Commercialization/Lecturer Department of Electrical Engineering, MUST acted as the resource person for the workshop. Earlier, the program commenced with a recitation of holy verses from the Quran by Engr. Irfan Jamshed. The workshop covered topics related to

pitch information, data with the story, precise personal introduction, emerging research problems and rectifying the solutions, visuals, SWOT analysis, business models, and market analysis. The workshop was a blend of theoretical and personal experiences.



First International Funding

Dr. Zafar Ali Khan, Assistant Professor Electrical Engineering Department, Mirpur University of Technology has successfully secured funding for the research project titled "Hybrid Energy Powered Smart Irrigation System for Smallholder Farmers". The project is funded by the UK government's innovation agency "Innovate UK" with project funding amounting to £252,862. The project consortium consists of academic and industrial collaborators from the United Kingdom and Pakistan. The project is aimed at developing innovative hybrid energy-based irrigation systems to revolutionize the agriculture sector in Pakistan. This is the first ever international funding received directly by any department of Mirpur University of Science and Technology.





A Five-Day HEC/Huawei Smart Class Room Training

Engr. Dr. Sohaib Manzoor, Manager Innovation and Commercialization participated in the four-day training session, sponsored by the Higher Education Commission (HEC) Pakistan and Huawei, from May 22nd - May 26th 2023 in HEC.



A One Day Webinar on Solar and Wind Power

Engr. Dr. Sohaib Manzoor, Manager Innovation and Commercialization participated in the one-day webinar session, sponsored by the Pakistan Engineering Council on 19th May 2023.

Training was aimed to provide in-depth knowledge regarding how to articulate continuous professional development on Solar and Wind Power Potential in Pakistan.

Venue: Online
Date: 19th May 2023

A One Day Webinar on Cellular Networks

Engr. Dr. Sohaib Manzoor, Manager Innovation and Commercialization participated in the one-day webinar session, sponsored by the Pakistan Engineering Council on 18th April 2023.

Training was aimed to provide in-depth knowledge regarding how to articulate continuous professional development on Cellular Networks (2G to 5G Technology) and Future Applications

Venue: Online
Date: 18th April 2023

A One Day Webinar on Artificial Intelligence

Engr. Dr. Sohaib Manzoor, Manager Innovation and Commercialization participated in the one day webinar session, sponsored by the Pakistan Engineering Council on 6th April 2023.

Training was aimed to provide in-depth knowledge regarding how to articulate continuous professional development on Artificial Intelligence and its implication for technologies and business strategies.

Venue: Online
Date: 6th April 2023 Dr. Sohaib Manzoor





Participate in 3rd Engineering Capstone Expo (ECE-2023) by PEC

The 3rd Engineering Capstone Expo (ECE-2023) was a series of competitions, among the engineering students of public and private sector universities across Pakistan to showcase their research skills, technologies, and Final Year Design Projects (FYDPs) focusing on industrial solutions and societal problems. More than 5000 students participated in these competitions organized at each of the four provincial capitals and federal capital. The winners of the competitions were recognized with rewards and certificates both from the PEC as well as the industry.



Senior Expert from Aston Martin, England visited Electrical Engineering/ORIC MUST

Engr. Abdul Qayyum, Senior Expert Architecture and Networks, Aston Martin (a renowned Automotive Company), England visited ORIC MUST along with the faculty members from the Department of Electrical Engineering including Dr. Anwar ul Haq, Assist. Professor EED, Dr. Zafar Ali Khan, Assist. Professor EED and Dr. Sohaib Manzoor,

Lecturer EED.

Prof. Dr. Faisal Riaz, Director ORIC welcomed him along with Engr. Irfan Jamshed, Manager Research Management at his office and gave a detailed briefing on the so far MUST progress; MUST's current and future projects; and probable aspects of collaborated future projects with Aston Martin, England.

Later Prof. Dr. Naeem Iqbal Ratyal, Chairman Department of Electrical Engineering and Dr. Sajjad Manzoor, Chairman Department of Computer Systems Engineering joined at lunch.

Venue: NTC conference room, CS&IT building, MUST

Date: 2nd January 2023



National Humanitarian Award for Volunteer Services

Engr. Dr. Sohaib Manzoor, Manager Innovation and Commercialization received the National Humanitarian Award from DIG Mirpur Dr Khalid Chauhan through the Muslim Hands platform on 17th December 2022.



DEPARTMENT OF MECHANICAL ENGINEERING

Study Tour of HESSA “Student Microenterprise Development” module’s Focal Persons in Indonesia

From February 19-28, 2023, USAID's Higher Education System Strengthening Activity (HESSA) led a delegation of 17 Pakistanis (including five women) representing each of HESSA's 16 partner universities, as well as a representative from the Higher Education Commission of Pakistan to Indonesia for the Student Microenterprise Development Study Tour. Engr. Dr. Khuram Pervez, Chairperson/ Associate Professor of Mechanical Engineering Department of MUST participated in this study tour.

Indonesia was selected as the location for this study tour due to the success of the USAID/ Indonesia JAPRI youth entrepreneurship program that IIE implemented between 2017-2022. The tour aimed to introduce diverse student microenterprise development models implemented by Higher Education Institutions, partner NGOs, and government institutions in Indonesia. Participants also discussed with Indonesian university leadership how to create enabling environments for student microenterprise development and foster knowledge-sharing between Pakistani HEIs and their HEI counterparts in Indonesia.



Training Sessions on Microenterprise Development (MED) for Students

Under the HESSA/HEC USAID project, the focal person of Microenterprise Development (MED) module, Engr. Dr. Khuram Pervez arranged four trainings sessions on the students Microenterprises Development in MUST, i.e. for the students of department of mechanical engineering on 23-05-2023, for the students of department of Zoology on dated 24-05-2023, for the students of the department of Home Economics on dated 29-05-2023 and for the students of department of education on dated 01-06-2023,





ASHRAE FAREWELL 2022

ASHRAE MUST organized the farewell party on 5 September 2022. There were many activities like signing off ceremony by the previous session body of ASHRAE MUST and distributed shields to our active body.



February 2023 and visited Punjab College Mirpur on 20 March 2023 and briefly explain to students about STEM & ASHRAE.



Orientation and Welcome Session Mechanical Engineering

ASHRAE MUST CHAPTER organize a session "Orientation and Welcome Session for New Intake 2022-26" on 5th Dec 2022, collaboration with ASME MUST Chapter. Here's few glimpse of first Module of Event "Fields of Mechanical Engineering in Academics" demonstrated by renowned PhD Scholar of Mechanical Engineering Department of MUST Engr. Zeeshan Anjum.



Startup ideas for Mechanical Engineers under Kamyab Jawan Program event

ASHRAE MUST organized an event on 4th Aug 2022, in collaboration with SAC office MUST. The guest speaker Mr. Mudassir Ghafoor, the Co-founder and Support Manager of Real-Tech Engineering Services delivered a session on Entrepreneurship and Startup ideas for Mechanical Engineers. Mudassir is an alumni of Mirpur University of Science And Technology with eight years of corporate experience and currently runs his own startup.



STEM K-12 Activities Mirpur and Bhimber

ASHRAE MUST organized STEM K-12 activities in Read Foundation College Bhimber on 25



ASHRAE membership

Professional field. ASHRAE society MUST chapter provide this opportunity to get registered as an International member on 1st Jun 2022. From the previous record we have 11 international and 9 local ASHRAE International membership is very necessary for those students who want to choose HVAC as a members.



STEM K-12 Activities Mirpur and Bhimber

Ashrae MUST organized STEM K-12 activities in Read Foundation College Bhimber on 25 February 2023 and visited Punjab College Mirpur on 20 March 2023 and briefly explain to students about STEM & ASHRAE.



EDVOY PAKISTAN study Abroad Expo event

ASHRAE society organized another event "Free study abroad Expo" at regency hotel Mirpur Azad Kashmir on 2nd Mar 2023. Edvoy

team guide students about study abroad and provide ideal information to all students.



Cricket Tournament by Directorate of Sport Must

The tournament was also supported by our university platform through the Sports Directorate. It was held on April 17th 2023 with winners emerging to be BME students of the 2019-2023 session. This activity helped to introduce our society to kids who like its appeal of being more than just about a curriculum or studies regarding engineering. ASHRAE society Must organized this beautiful tournament.





ASME Seminar on leadership skills and Personality development(2022)



Faculty of Veterinary and Animal Sciences



Livestock plays a vital role in the economy of Pakistan. The country has a large population of livestock, making it one of the largest livestock-producing countries in the world. The importance of livestock in country can be seen in several key areas, including agriculture, food security, rural development, and foreign exchange earnings.



DR. ABID HUSSAIN

Dean

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Dean's Message

Pleasure and honor are the deep root feeling to my soul while presenting my message as founder of Faculty of Veterinary and Animal Sciences, Mirpur University of Science and Technology (MUST) AJ&K.

Livestock plays a vital role in the economy of Pakistan. The country has a large population of livestock, making it one of the largest livestock-producing countries in the world. The importance of livestock in country can be seen in several key areas, including agriculture, food security, rural development, and foreign exchange earnings. Livestock provides a source of food, fiber, and fuel for rural communities, and is also an important source of livelihood for many farmers and rural families. By investing in the development of the livestock sector, Pakistan can ensure sustainable economic growth and improve the standard of living for its people. The importance of livestock-based economy has resulted in the inevitable need of new academic institutes in the country in order to cater the relevant demands.

Faculty of Veterinary and Animal Sciences was established in 2020 with the objective of attaining a substantial skillful manpower in the field of Veterinary and Animal Sciences. At present, two undergraduate degree programs, i.e., Doctor of Veterinary Medicine (DVM), BS Animal Sciences and one diploma program, i.e., Livestock Assistant Diploma (LAD) are being offered by the Faculty of Veterinary and Animal Sciences at Bhimber Campus, MUST.

I invite students and parents to come and explore Faculty of Veterinary and Animal Sciences. Our staff would be happy to provide you with more information about the degree programs and answer any questions you may have. You can also visit our campus and meet with current students and faculty members to learn more about what it is like to be part of our faculty.

MUST Veterinary Society

In July 2022, the MUST Veterinary Society was established within the Faculty of Veterinary and Animal Sciences (FVAS). The society's primary goal is to promote animal welfare and enhance the educational and professional experiences of students in the fields of veterinary medicine and animal science. This student-led organization aims to create a platform for DVM (Doctor of Veterinary Medicine) and animal science students to interact with each other, faculty members, and professionals in the field to develop a deeper understanding of animal health, welfare, and behavior.

Free Vet Campus Under the umbrella of the MUST Veterinary Society

The students from FVAS, supervised by Dr. Ali Hussain and Dr. Jawwad ur Rehman, organized a free veterinary medical campus throughout the 2022-2023 academic year. The primary objective of this initiative was to provide free medical treatment to animals in the surrounding area of district Bhimber.



Pakistan Veterinary Medical Council (PVMC) Zero Visit

The Pakistan Veterinary Medical Council (PVMC) serves as the regulatory body for the DVM degree program. An accreditation committee conducted a zero visit to the

Faculty of FVAS on August 20, 2022. During this visit, the committee approved the site and recommended that the faculty be prepared for its visit -one.



Student Study Tour

On February 25, 2023, students in the 4th and 6th semesters, under the supervision of Dt. Tanveer Ahmed Dr. M. Ijaz and Dr. Nisar Subhani, embarked on a study tour. They visited DAIM Dairy Farm in Kalkhar and poultry farms and hatchery facilities of Sadiq Brother Company in Rawalpindi. The purpose of this tour was to gain practical insights and a better understanding of the industry's operations.





Faculty Promotion and Appointment

Several important changes and appointments were made within the faculty during the academic year 2022-2023

Dr. Abid Hussain, who previously held the position of assistant professor in veterinary and animal sciences and served as the Dean of FVAS, was promoted to the position of associate professor on August 26, 2022.



Dr. Tanveer Hussain joined FVAS as a lecturer on August 29, 2022. He holds a Master's degree (M.Phil) in veterinary microbiology.



Dr. Abdul Haseeb became a part of FVAS as an Assistant Professor of veterinary science on September 9, 2022. He holds a Ph.D. in veterinary sciences from China and was previously employed as a lecturer in the Faculty of Veterinary and Animal Science at the University of Poonch Rawalakot.



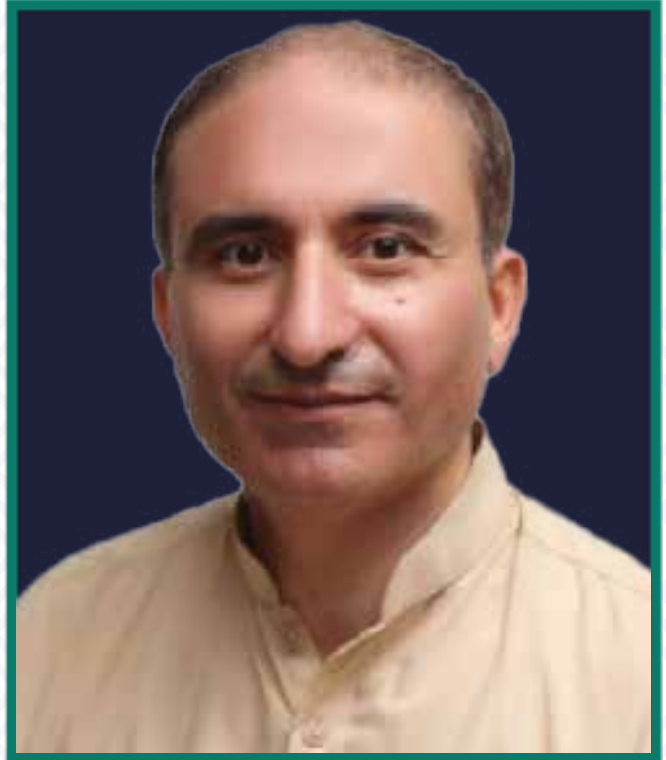
Dr. M. Ijaz was appointed as a lecturer on a contractual basis. He holds an M.Phil degree in animal nutrition and has prior experience working in feed mills.



Faculty of Health and Medical Sciences



Our faculty is focused to provide an exceptional learning environment, nurturing the next generation of healthcare professionals. We've witnessed remarkable achievements among our students, fostering their growth not just as scholars but as compassionate and competent healthcare providers of the future.



**PROF. DR. ANWAR
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[https://must.edu.pk/
department-of-pharmacy/](https://must.edu.pk/departments-of-pharmacy/)



Dean's Message

It's the matter of pride for me to share that since its inception in 2019; Faculty of Health & Medical Sciences (FHMS) has remained steadfast in its commitment to excellence in education, lab skill development and community engagement. This year, despite numerous challenges, we have achieved significant milestones that underscore our dedication to advancing healthcare and medical sciences. In FHMS, the education remains at the core of our mission. Our faculty is focused to provide an exceptional learning environment, nurturing the next generation of healthcare professionals. We have witnessed remarkable achievements among our students, fostering their growth not just as scholars but as compassionate and competent healthcare providers of the future.

I am quite glad to share that Department of Pharmacy as well as Department of Microbiology have been initiated in 2022-23 respectively under Faculty of Health & Medical Sciences while three departments were already running successfully. Additionally, our community engagement initiatives have allowed us to extend our expertise beyond the classroom and laboratory. In order to achieve clinical oriented goals; Memorandum of Understanding (MoU) was signed with Department of Health, Govt, of AJ&K regarding transformational links with DHQ Hospital Mirpur, New City Teaching Hospital, New City Mirpur and DHQ Hospital Bhimber. Such collaborative efforts with healthcare institutions, community organizations, and public health initiatives have enabled us to make a tangible difference in the lives of individuals and communities.

As we reflect on our accomplishments, we also acknowledge the challenges that lie ahead. The evolving landscape of healthcare demands continuous adaptation, innovation, and collaboration. We are committed to embracing these challenges, leveraging our strengths, and exploring new opportunities for growth and advancement.

I extend my heartfelt appreciation to our dedicated faculty, staff, students, and collaborators whose unwavering support and commitment have been instrumental in our achievements. Together, we will continue to uphold our standards of excellence and drive positive change in the healthcare landscape.

I invite you to delve into this report, celebrating our achievements and recognizing the collective efforts that position us as leaders in health and medical sciences education.



Educational Visit - Amin Gym Nutritional Assessment and Awareness Camp

On September 12, 2023, students from the 6th semester of the BS Human Nutrition and Dietetics program embarked on an educational visit to Amin Gym in Mirpur, AJK. The visit was organized under the guidance of course instructor, Miss Komal Saif, as part of their coursework in Sports Nutrition.

Objectives

- To provide students with practical exposure to the field of Sports Nutrition, emphasizing its real-world applications.
- To familiarize students with the various exercise machines and equipment commonly used in a gym setting.
- To conduct a nutritional assessment of gym members and offer personalized dietary guidance based on their fitness goals.

Organizers

Students of BS Human Nutrition and Dietetics (6th semester) organized this visit under the supervision of Ms. Komal Saif (Lecturer, Department of Human Nutrition and Dietetics).

Activity Outcomes

1. Gym Orientation

Upon arrival at Amin Gym, the students were given an orientation session to familiarize them with the gym's layout, different exercise machines, and the purpose of each. This served as an essential foundation for their understanding of how nutrition and exercise are intertwined.

2. Nutritional Assessment

The students conducted a nutritional assessment of gym members. This involved gathering information about their dietary habits, fitness goals, and health conditions. Students used various assessment tools to measure body composition, such as BMI, body fat percentage, and muscle mass.

3. Individualized Dietary Guidance

After collecting data through the nutritional assessment, students provided gym members with personalized dietary guidance tailored to their specific needs and goals. This included recommendations on macronutrient intake, meal planning, and supplementation where necessary.

4. Demonstrations

The gym's trainers and instructors demonstrated how to properly use exercise equipment and perform different exercises. This practical knowledge was essential for students to understand the relationship between nutrition and exercise in the context of sports nutrition.

5. Interaction and Question-Answer session

Students engaged in meaningful interactions with gym members, addressing their queries and concerns related to diet, exercise, and health. This not only enhanced their communication skills but also reinforced the importance of effective client-practitioner relationships in the field of dietetics.

Impact on Students

The visit to Amin Gym had several positive impacts on the students:



1. Practical Exposure

Students gained practical exposure to the application of sports nutrition principles in a real-world setting. This experience was invaluable in bridging the gap between theory and practice.

2. Improved Communication Skills

The interactions with gym members improved the students' ability to communicate and empathize with clients. These skills are essential for dietitians and nutritionists working with individuals to achieve their health and fitness goals.

3. Enhanced Understanding of Exercise

Understanding how exercise machines work and how different exercises impact the body complemented their knowledge of nutrition. This holistic approach will be beneficial in their future careers.

Impact on Gym Members

The visit also had a positive impact on Amin Gym members:

1. Personalized Guidance

Gym members received individualized dietary guidance, which can help them make informed decisions about their nutrition, leading to better results in their fitness journeys.

2. Increased Awareness

The nutritional assessment and guidance provided by the students increased awareness among gym members about the importance of nutrition in achieving their fitness goals.





Nutrition Seminar

Theme

Make Nutrition Priority

Organizers

Students Nutritionist Club Pakistan with the collaboration of Department of Human Nutrition and Dietetics, Faculty of Health and Medical Sciences organized a one-day seminar entitled "Make Nutrition Priority" on June 9, 2023, from 9:00 am to 2:00 pm at Mechanical Engineering Hall, City campus, MUST Mirpur. This event focused on different domains of Human Nutrition and Dietetics such as Clinical Nutrition, Community Nutrition, and research methods in Nutrition.

Objectives

- To promote Nutrition Awareness
- To Address Different Domains of Human Nutrition and Dietetics
- To Facilitate Knowledge Exchange and Networking
- To Empower Future Nutritionists

Outcomes

The seminar was hosted by Dr. Anwar Khitab (Dean, FHMS), Dr. Mian Muhammad Zeeshan Javied (Chairperson Department of Pharmacy and Physiotherapy), Dr. Sumaira Irum Khan (Coordinator, Allied Health Sciences), Ms. Farwa Tariq, Ms. Komal Saif, Mr. Awais Saleem, and Mr. Aqib Saeed (Lectures Human Nutrition and Dietetics).

Prof. Dr. Anwar Khitab (Dean, FHMS) was the Chief Guest for the event. The event started with the name of Allah Almighty and Naat e

Rasool e Maqbool ﷺ. Afterward, Prof. Dr. Anwar Khitab welcomed the guests and gave an overview of the activity. Then he invited Mr. Zohaib Sindhu president of SNCP to share his views about the role of nutritionists in the community. Following that, two further speakers Mr. Mujahid ul Islam and Ms. Tayyaba Tariq discussed their perspectives on the functions of clinical nutritionists and research methodologies in nutrition, respectively.

The primary objective of the seminar was to promote awareness about the importance of nutrition in maintaining overall health and well-being. It aimed to educate attendees, including students, professionals, and the community, about the critical role of nutrition in leading a healthy lifestyle.

The seminar covered various domains within the field of Human Nutrition and Dietetics, including Clinical Nutrition, Community Nutrition, and Research Methods in Nutrition. By addressing these diverse areas, it provided a comprehensive understanding of the subject matter and its practical applications.

Another key objective was to create a platform for knowledge exchange and networking. The seminar encouraged interaction among participants, allowing them to learn from experts and peers in the field. This networking opportunity created valuable connections and collaborations in the realm of nutrition and dietetics.

The seminar aimed to empower future nutritionists by equipping them with the latest research, trends, and best practices in the field. It served as a platform for learning and professional development, ensuring that participants were well-prepared to make nutrition a priority in their careers and in the communities they serve.





**MIRPUR UNIVERSITY OF
SCIENCE & TECHNOLOGY (MUST)**
Organizing a One Day Seminar on
MAKE NUTRITION PRIORITY
WITH THE COLLABORATION OF SNCP

GUESTS SPEAKERS OF THIS SEMINAR



Dn. TAYYABA TARIQ

PhD Scholar HND
Research Assistant
Ex. Nutritionist at Nutrifactor
Laboratories Pvt, Ltd
Ex. Nutrition Trainee at
Shifa International
Hospital, ISB



Dn. M ZOHAIB SINDHU

Community Nutritionist
Nutri-Trainer
Ex. Nutrition Trainee at
Military Hospital, RWP
Ex. Nutrition Trainee at
National Institute of
Health, ISB



Dn. MUJAHID UL ISLAM

Clinical Nutritionist/
Digital Creator
Studentship Fellow at
Pak-Korea Nutrition
Centre, UAF
Ex. Nutrition Trainee at
Children's Hospital, FSD

Venue: Mechanical Engineering Hall, City Campus



09-JUNE-2023 (FRIDAY)



Nutrition-Fest 2k23

March is the month of Nutrition. Every person all around the globe, who's related to the field of nutrition celebrates this month. Due to this the Department of Human Nutrition and Dietetics under the supervision of the coordinator of the department Dr. Sumaira Irum Khan organized a Nutrition Fest 2k23 dated; 15 March 2023.

Objectives

- Nutrition Awareness: To educate university students and the public about the importance of nutrition and its role in maintaining overall health and well-being.
- Healthy Food Product Development: To facilitate learning among students in the field of Human Nutrition and Dietetics about the development of healthy food products, with a focus on disease-specific products.
- Marketing of Food Products: To provide students with the opportunity to apply their marketing and entrepreneurial skills by selling food products they have developed.
- Entrepreneurship: To encourage entrepreneurial thinking among students, helping them understand the practical aspects of bringing a food product to market.

Organizers

Students of BS Human Nutrition and Dietetics (all semesters), Department of Human Nutrition and Dietetics, Faculty of Health and Medical Sciences organized "Nutrition Fest "2k23" on March 15, 2023, from 10:00 am to 6:00 pm at FHMS, old secretariat MUST campus.

Outcomes of the festival

This event included a therapeutic food product development competition, Food Street, and much more. The event was hosted by Dr. Anwar Khitab (Dean, FHMS), Dr. Mian Muhammad Zeeshan Javied (Chairperson Department of Pharmacy and Physiotherapy), Dr. Sumaira Irum Khan (Coordinator, Allied Health Sciences), Ms. Farwa Tariq, Mr. Awais Saleem, Mr. Aqib Saeed (Lectures Human Nutrition and Dietetics).

Prof. Dr. Tehseen Ghous (Dean Faculty of Social Sciences and Humanities) was the Chief Guest for the event. Dr. Altaf Hussain (Director of Students Affairs) and other Faculty members of MUST also honored the event with their presence.

The event started with the name of Allah Almighty and Naat e Rasool e Maqbool ﷺ. Afterward, Dr. Mian Muhammad Zeeshan Javied welcomed the guests and gave an overview of the activity. Then he invited Dr. Tehseen Ghous to share her views about the activity.

A cake based on the theme of National Nutrition Month 2023 "Fuel for Future" was also cut. This theme has sustainability in mind. Eating with the environment in mind can help to better protect our resources in the future.

The event was inaugurated by Dr. Tehseen Ghous along with other Honorable Guests and Faculty members. Guests visited the food and commercial stalls and appreciated the effort.

Students from BS Human Nutrition and Dietetics developed disease-specific products like date candies for malnutrition, decoco seeds balls for PCOS, sorghum balls for diabetes, banana rice pudding, cereal and nuts bars, therapeutic drinks, and smoothies. A therapeutic food product development competition was conducted among the

students and the panel of judges evaluated the products made by the students.

The three best products were awarded appreciation certificates. The third position was awarded to the student group from 3rd semester that made flax seeds-based cookies for cardiovascular patients. The second position was achieved by the students of the 7th semester who presented sorghum balls for diabetes. The best product award was won by the group from the 5th semester, and their product was Decoco seeds balls based on flax, pumpkin, sesame, and sunflower balls for Poly Cystic Ovarian Syndrome (PCOS) patients.

Moreover, students displayed and sold commercial products as well, like biryani, pasta, salads, juices, lassi, Gola, ice cream, cotton candy, etc. This exercise improved their entrepreneurship and marketing skills.

Renowned pharmaceutical company Nutrifactor and food brands (Nafees, Mix Plate, Babar Khan Restaurant, Smokin' Grill Cafe, Chaman Ice Cream, Turk Station) joined at the event.

Students and families were cordially invited. More than 1500 people including university students and families visited the campus, enjoyed the event, and appreciated it.





Weaning Foods Development and Presentation Nutraceutical and Functional Food Development and Presentation Therapeutic Food Product Development and Presentation

Introduction

On August 29, 2023, students in the 6th semester of the BS Human Nutrition and Dietetics program engaged in a practical exercise related to "Infant and Young Children Feeding." Under the guidance of their instructor, Ms. Farwa Tariq, students were tasked with developing weaning foods. This comprehensive report outlines the objectives of the practical, the activities conducted, and the key outcomes of this educational exercise.

On September 8, 2023, students in the 6th semester of the BS Human Nutrition and Dietetics under the subject "Dietetic II" developed some healthy therapeutic foods for hospitalized patients like clear liquid diets, liquid diets, semi-solid diets, and solid diets under the guidelines of Mr. Aqib Saeed.

On the other hand, functional foods like garlic, ginger, Korean ginseng, Korean Sauerkraut, dates, mushroom Cordyceps and many others have ingredients that have magical health benefits. For this purpose, students of the 6th semester under the subject of "functional foods and nutraceuticals" on September 25, 2023, developed some functional food recipes for the awareness of university students under the guidelines of Mr. Awais Saleem.

Objectives of the Practical

- To provide students with hands-on experience in the development of

weaning foods, which are crucial for the nutritional transition from breastfeeding to solid foods in infants and young children.

- To enable students to design labeling and packaging for their weaning products, considering nutritional guidelines, safety, and consumer appeal.
- To enhance the students' presentation skills by having them present their weaning products and explain the nutritional aspects and benefits.
- To guide students about the bioactive components and health benefits of functional foods.
- To guide students on how to make therapeutic diets for hospitalized patients.

Activities Outcomes

1. Weaning Foods Development

Students were divided into groups, and each group was assigned with task to develop weaning foods. They had to create nutritious, age-appropriate recipes that would cater to the nutritional needs of infants and young children.

2. Therapeutic Diet Development

Students were divided into groups, and each group was assigned with task to develop the therapeutic diets. They had to create nutritious, age-appropriate recipes that would cater to the nutritional needs of hospitalized patients.

3. Functional Food Development

Students were divided into groups, and each group was assigned with task to develop functional foods like Korean Sauerkraut, Cordyceps mushroom supplements, Turmeric-coco balls, healthy ginger bites, ginger tea, and healthy biscuits. They had to create nutritious recipes that would help them with food marketing and entrepreneurship.

4. Labeling and Packaging Design

In addition to formulating the weaning foods, functional foods, and therapeutic diets students were required to design labels and packaging for their products. This exercise emphasized the importance of clear and informative labeling, including nutritional information and safety guidelines.

5. Presentation

After the development and packaging phases, each group was given the opportunity to present their products. During these presentations, students explained the nutritional content, benefits, and relevance of their products.

6. Evaluation and Feedback

Following the presentations, there was a discussion and evaluation session where Dr. Mian Zeeshan Javeid chairman Department of Pharmacy, Dr. Sumaira Irum Khan coordinator Department of HND, and the Faculty teachers provided constructive feedback on students' work and appreciated them. This facilitated mutual learning and improvement.

Key Outcomes

The practical on weaning foods development had several significant outcomes:

1. Practical Application of Knowledge

Students were able to apply their theoretical knowledge in a practical setting. This experience reinforced their understanding of the complexities and challenges.

2. Labeling and Packaging Skills

The exercise in labeling and packaging design equipped students with important skills related to presenting information effectively

and creating packaging that complies with safety and regulatory standards.

3. Presentation Skills

Students had the opportunity to develop and enhance their presentation skills, which were essential for effectively communicating nutritional information and benefits to both professional and lay audiences.

4. Collaborative Learning

Working in groups encouraged collaboration and teamwork among students, allowing them to learn from each other's ideas, experiences, and feedback.







School-Based Nutrition Awareness Camps

In the month of February 2023, and On September 14, 2023, different nutrition awareness camps were organized in schools of District Mirpur by the Department of Human Nutrition and Dietetics under the supervision of the coordinator of the department Dr. Sumaira Irum Khan.

Objectives

- To apply theoretical knowledge in the field of nutrition and dietetics by conducting nutritional assessments and creating awareness about healthy dietary habits.
- To educate school students about the importance of a balanced diet, food groups, and the significance of breakfast in maintaining overall health and well-being.
- To foster a sense of community engagement and social responsibility among the BS Human Nutrition and Dietetics students.
- To assess nutritional deficiencies like iron, calcium, vitamin D, iodine, proteins energy malnutrition, and obesity among school-going kids,
- To give awareness and the best meal options to the school-going children.

Organizers

In the month of February 2023, Students of BS Human Nutrition and Dietetics (5th semester and 7th semester) organized these camps under the supervision of Mr. Muhammad Awais Saleem and Mr. Aqib Saeed respectively (Lecturer, Department of Human Nutrition and Dietetics). Schools that were selected for these camps were International Islamic University School, Mirpur Public School, and Govt. girls high school Kalyal.

On September 14, 2023, students from the

BS Human Nutrition and Dietetics program at MUST (Mirpur University of Science and Technology) embarked on an educational visit to Reads Schools in Mirpur, Pakistan. The visit was organized as part of their coursework "Assessment of Nutritional Status" under the supervision of Ms. Farwa Tariq (Lecturer of Human Nutrition and Dietetics).

Student Learning Outcomes

1. Nutritional Assessment

The visiting students were divided into different groups and assigned to various classes within Reads Schools. They conducted nutritional assessments that included measuring height, weight, mid-upper arm circumference (MUAC), and other relevant anthropometric measurements to determine the nutritional status of the students.

2. Awareness Sessions

Each group conducted awareness sessions with the school students. They discussed various aspects of nutrition, such as the importance of a balanced diet, the role of different food groups, and the significance of starting the day with a nutritious breakfast. These sessions were interactive, engaging students in discussions and activities to reinforce their understanding.

3. Visual Aids and Demonstrations

To enhance the learning experience, the visiting students used visual aids, posters, and demonstrations to illustrate key concepts related to nutrition. This helped to make the information more accessible and memorable for the young audience.

4. Question and Answer Sessions

Following the awareness sessions, question



and answer sessions were held, allowing the school students to ask questions and seek clarification on nutrition-related topics. This provided an opportunity for students to engage actively and learn from the visiting nutrition experts.

Students of HND learned in these camps that which are the most common nutritional deficiencies disorders in school-going children of District Mirpur. Moreover, students were able to give awareness to children about healthy meal options and how policymakers can help school-going children; like the ban on the sale of sugar-sweetened beverages near schools, advertisement of healthy fresh fruits and vegetables instead of junk foods and fast foods, subsidies on healthy foods and taxes on fast foods in canteens of schools. At the end of the camps, students of HND distribute healthy breakfast, lunch, and dinner pamphlets to the children and provide free lunch boxes to the children.

Impact on Students

The visit to Reads Schools had several positive impacts on both the visiting students and the school students:

1. Practical Application of Knowledge

The BS Human Nutrition and Dietetics students had the opportunity to apply their theoretical knowledge in a real-world setting. This practical experience was valuable in bridging the gap between classroom learning and practical application.

2. Community Engagement The visit fostered a sense of community engagement and social responsibility among the visiting students. They played a role in educating and positively impacting the health and nutrition awareness of school students.

3. Nutrition Awareness School students gained valuable insights into the importance of a balanced diet, the role of various food groups, and the significance

of having a nutritious breakfast. This knowledge can lead to healthier dietary choices and habits.

4. Interactive Learning The interactive nature of the sessions allowed school students to actively participate, ask questions, and engage in discussions, enhancing their learning experience.

Conclusion

The educational visit to Schools in Mirpur was a successful initiative by the BS Human Nutrition and Dietetics program at MUST. It allowed students to put their theoretical knowledge into practice by conducting nutritional assessments and creating awareness about essential aspects of nutrition. The visit not only benefited the visiting students by providing them with practical exposure but also had a positive impact on the school students by increasing their awareness of healthy dietary practices.

This type of community engagement not only benefits the students in their academic and professional growth but also contributes to the overall health and well-being of the community. Such initiatives serve as a bridge between educational institutions and the broader community, fostering a sense of social responsibility and making a positive impact on public health.





Visit of Bhimber Campus, Mirpur University of Science and Technology

On February 23, 2023, a Nutrition Awareness camp was organized in Mirpur University of Science and Technology Bhimber Campus, by the Department of Human Nutrition and Dietetics MUST under the supervision of the coordinator of the department Dr. Sumaira Irum Khan.

Objectives

- To assess nutritional deficiencies like iron, calcium, vitamin D, iodine, proteins energy malnutrition, and obesity among university students
- To give awareness and the best meal options to the adults.

Organizers

Students of BS Human Nutrition and Dietetics (5th semester and 7th semester) organized these camps under the supervision of Mr. Muhammad Awais Saleem and Mr. Aqib Saeed respectively (Lecturer, Department of Human Nutrition and Dietetics).

Student Learning Outcomes

Students of HND learned in this camp which are the most common nutritional deficiency disorders in university students. Moreover, students were able to raise awareness among adult students about healthy meal options. In this camp, students were able to assess that obesity was the most prevalent among university students. Students also assess that the food that is sold in the University canteen is unhealthy and needs to be improved. Moreover, students of HND gave almost 100 diet plans to university-going students and gave awareness to students through healthy meal options, play cards, and banners.

At the end of the camp, students of HND distribute healthy breakfast, lunch, and dinner pamphlets to the university students.







Visit of DHQ Hospital, Mirpur

On September 02, 2023, the Department of Human Nutrition and Dietetics under the supervision of the coordinator of the department Dr. Sumaira Irum Khan organized official visits to DHQ Hospital, Mirpur.

Objectives

- To know about the nutritional support provided to the hospitalized patients.
- How to make medical nutrition therapies for diet-related disorders
- How to maintain a balanced diet

Organizers

Students of BS Human Nutrition and Dietetics (6th semester) organized this visit under the supervision of Mr. Aqib Saeed (Lecturer, Department of Human Nutrition and Dietetics).

Student Learning Outcomes

A hands-on presentation and practical demonstration session was conducted by the Coordinator of the World Food Program at the Nutrition Rehabilitation Center. The main objective of the hospital visit was to know about the nutritional support provided to hospitalized patients. M. Aqib Saeed also gave a practical demonstration of medical nutrition therapy in various disease conditions.

Further, the students advised hospitalized patients on how to maintain a balanced diet.



Facutly of MUST Business School



The goal of the faculty of MBS is to give students self-awareness, perseverance, decisiveness, passion, integrity, and current knowledge about the banking industry. The programs are designed to foster the development of exceptional managerial skills in our students as well as help them successfully apply their talent in various disciplines.



PROF. DR. ZAFAR IQBAL

Director

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Business School**



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<https://must.edu.pk/dean-must-business-school/>



Director's Message

As the business world undergoes an unprecedented shift in a difficult time, taking the reins of MBS in this critical time is undoubtedly a great challenge. It is no longer acceptable to think globally and act locally; instead, one must act globally in light of the changing circumstances. Consumers in the most isolated and tiny regions of the globe are not alone; rather, they see themselves as part of a greater community that is constantly searching for high-quality, reasonably priced solutions. Customers view expectation betrayal as an unacceptable error. In customers' eyes, betraying their expectations is an irreversible error. It is the responsibility of business professionals to ensure that customers are satisfied and stay loyal. To address these and other complexities of the business world, MBS offer a comprehensive perspective of industry requirements. Since the compelling and clear would win this race, we at MBS account for both surfaced and unsurfaced realities of the market and train students according to the future.

Department of Business Administration offers a range of degree programs, including BBA, BS HRM, MBA (3.5) years, MBA 1.5 years, and MS in management sciences. Furthermore, the Department of Banking and Finance offers a BS in Banking and Finance. Department of Commerce offers a BS in Commerce and Masters in Commerce. Moreover, Tourism and Hospitality offers a BS in Tourism. A new BS program in accounting and finance is also being planned. Students who intend to pursue further education can enter the field of chartered accountancy education with exciting exemptions if they hold degrees in accounting and finance. More than just the variety of these fields, the depth of faculty at MBS is a real draw for prospective students.

The goal of the MBS department is to give students self-awareness, perseverance, decisiveness, passion, integrity, and current knowledge about the banking industry. The programs are designed to foster the development of exceptional managerial skills in our students as well as help them successfully apply their talent in various disciplines. We have managed to attract students across the state of AJK, Gilgit Baltistan, and areas of Punjab and KPK that are close to AJK in terms of geographical location. Apart from consolidating our position as a leading business education centre by ensuring students keep coming from beyond the premises of Mirpur Division.

A growing number of students from different places and backgrounds are enrolling, which means that MBS is a symbol of trust and confidence. It never means we are satisfied or we should be satisfied. However, the MBS initiatives will undoubtedly enhance the "new business density" outlook in the professional destinations that students select. I do not doubt that MBS will impress you greatly and provide you with the means to look for fantastic career or entrepreneurial opportunities. In addition to improving administrative and communication skills, the course offers an overview of the business world. Furthermore, it offers an overview of business-related terms, ideas, finance, and economics. Thus, I cordially invite everyone to join and serve as ambassadors for MBS.



RESEARCH PUBLICATIONS

- Faculty of Social Sciences and Humanities
- Faculty of Natural and Applied Sciences
- Faculty of Engineering and Technology
- Faculty of Veterinary and Animal Sciences
- Faculty of Health and Medical Sciences
- MUST Business School
- MUST Pallandri Campus

Our academics continue to undertake meaningful R&D through engagement of highly qualified & experienced faculty, use of state-of-the-art labs and teaching curriculum of international standards. The University offers array of disciplines ranging from engineering, technology, natural & applied sciences, medical technology, animal sciences, business studies and social sciences.

CHAPTER 3



1- Faculty of Engineering and Technology

1.1 Department of Software Engineering

Sr.#	Publication	Impact Factor
1	Rasheed, Aqsa, Nouman Ali, Bushra Zafar, Amsa Shabbir, Muhammad Sajid, and Muhammad Tariq Mahmood. "Handwritten Urdu characters and digits recognition using transfer learning and augmentation with AlexNet." IEEE Access 10 (2022): 102629-102645.	3.476
2	Zamir, Muhammad, Nouman Ali, Amad Naseem, Areeb Ahmed Frasteen, Bushra Zafar, Muhammad Assam, Mahmoud Othman, and El-Awady Attia. "Face Detection & Recognition from Images & Videos Based on CNN & Raspberry Pi." Computation 10, no. 9 (2022): 148.	0.389
3	Shahzad, Ahmed, Bushra Zafar, Nouman Ali, Uzma Jamil, Abdulaziz Jarallah Alghadhban, Muhammad Assam, Nivin A. Ghamry, and Elsayed Tag Eldin. "COVID-19 vaccines related user's response categorization using machine learning techniques." Computation 10, no. 8 (2022): 141.	0.389
4	Mehmood, Maryam, Ahsan Shahzad, Bushra Zafar, Amsa Shabbir, and Nouman Ali. "Remote sensing image classification: A comprehensive review and applications." Mathematical Problems in Engineering 2022 (2022): 1-24.	1.43
5	Saqlain, Mehwish, Saddaf Rubab, Malik M. Khan, Nouman Ali, and Shahzeb Ali. "Hybrid approach for shelf monitoring and planogram compliance (hyb-smpc) in retails using deep learning and computer vision." Mathematical Problems in Engineering 2022 (2022): 1-18.	1.43
6	Sajid, Muhammad, Nouman Ali, Naeem Iqbal Ratyal, Muhammad Usman, Faisal Mehmood Butt, Imran Riaz, Usman Musaddiq, Mirza Jabbar Aziz Baig, Shahbaz Baig, and Umair Ahmad Salaria. "Deep learning in age-invariant face recognition: A comparative study." The Computer Journal 65, no. 4 (2022): 940-972.	1.762

1.2 Department of Civil Engineering

Sr.#	Publication	Impact Factor
1	Khitab, Anwar, Mehmet Serkan Kirgiz, Moncef L. Nehdi, Jahangir Mirza, Andre Gustavo de Sousa Galdino, and Arash Karimi Pour. "Mechanical, thermal, durability and microstructural behavior of hybrid waste-modified green reactive powder concrete." Construction and Building Materials 344 (2022).	7.693
2	Anjum, Naveed, and Mustajab Ali. "Investigation of the flow structures through heterogeneous vegetation of varying patch configurations in an open channel." Environmental Fluid Mechanics 22, no. 6 (2022): 1333-1354.	2.618



3	Khan, Muhammad Sajid, Qun Huan, Mi Yan, Mustajab Ali, Obaid Ullah Noor, and Muhammad Abid. "A novel configuration of solar integrated waste-to-energy incineration plant for multi-generational purpose: An effort for achieving maximum performance." <i>Renewable Energy</i> 194 (2022): 604-620.	8.634
4	Nguyen, Van-Quang, Viet-Linh Tran, Duy-Duan Nguyen, Shamsheer Sadiq, and Duhee Park. "Novel hybrid MFO-XGBoost model for predicting the racking ratio of the rectangular tunnels subjected to seismic loading." <i>Transportation Geotechnics</i> 37 (2022): 100878.	4.938
5	Ejaz, Ahsan, Haiying Dong, Xinhe Xu, Tongming Cui, Zhanpeng Lu, Junjie Chen, Jiarong Ma, and Tetsuo Shoji. "Contribution of Diffusing Hydrogen to Anodic Processes and Pitting for Iron in Chloride-Bearing Bicarbonate Solutions." <i>Corrosion</i> 78, no. 9 (2022): 908-926.	2.094
6	Xu, Manman, Anqi Wang, Ying Xiang, Ahsan Ejaz, and Junfeng Niu. "Self-template bagasse-based porous carbons for high performance supercapacitors." <i>Industrial Crops and Products</i> 176 (2022): 114291.	6.449

1.3 Department of Mechanical Engineering

Sr.#	Publication	Impact Factor
1	Riaz, Muhammad Talha, Taqi Ahmad Cheema, Muhammad Tayyab, Ali Ul Atas Khan, Khuram Pervez Amber, Muhammad Bilal Sajid, and Cheol Woo Park. "Investigation of free and forced vortex induced thermal energy exchange potential." <i>Sustainable Energy Technologies and Assessments</i> 52 (2022): 102107.	7.632
2	Hammad, Ahmad, Md Yamin Younus, Naveed Akram, Emad Uddin, and Adeel Javed. "Simulation study on flow behavior around a wall-mounted finite height square cylinder with corner chamfer." <i>Journal of Wind Engineering and Industrial Aerodynamics</i> 229 (2022): 105157.	4.437
3	Fayaz, H., Asif Afzal, AD Mohammed Samee, Manzoore Elahi M. Soudagar, Naveed Akram, M. A. Mujtaba, R. D. Jilte, Md Tariqul Islam, Ümit Ağbulut, and C. Ahamed Saleel. "Optimization of thermal and structural design in lithium-ion batteries to obtain energy efficient battery thermal management system (BTMS): a critical review." <i>Archives of Computational Methods in Engineering</i> 29, no. 1 (2022): 129-194.	8.171
4	Akram, Naveed, Maryam Hosseini, Rad Sadri, S. N. Kazi, Alibakhsh Kasaeian, Hooman Yarmand, Kamel Hooman, and Roslina Ahmad. "A facile, green fabrication of aqueous nanofluids containing hydrophilic functionalized carbon nanotubes toward improving heat transfer in a closed horizontal flow passage." <i>Powder Technology</i> 404 (2022): 117451.	5.53



5	Khan, Asif, Fazle Hadi, Naveed Akram, Muhammad Anser Bashir, Hafiz Muhammad Ali, Muhammad Mansoor Janjua, Abid Hussain, Riffat Asim Pasha, Ajaz Bashir Janjua, and Farukh Farukh. "Review of micro and mini channels, porous heat sinks with hydrophobic surfaces for single phase fluid flow." <i>Journal of the Taiwan Institute of Chemical Engineers</i> 132 (2022): 104186.	5.477
6	Arshad, Adeel, Mark Jabbal, Hamza Faraji, Pouyan Talebizadehsardari, Muhammad Anser Bashir, and Yuying Yan. "Thermal performance of a phase change material-based heat sink in presence of nanoparticles and metal-foam to enhance cooling performance of electronics." <i>Journal of Energy Storage</i> 48 (2022): 103882.	8.907
7	Khan, Muhammad Sajid, Ishrat Mubeen, Yu Caimeng, Gaojun Zhu, Azeem Khalid, and Mi Yan. "Waste to energy incineration technology: Recent development under climate change scenarios." <i>Waste Management & Research</i> 40, no. 12 (2022): 1708-1729.	4.432
8	Khan, Muhammad Sajid, Ishrat Mubeen, Wang Jingyi, Yan Zhang, Gaojun Zhu, and Mi Yan. "Development and performance assessment of a novel solar-assisted multigenerational system using high temperature phase change material." <i>International Journal of Hydrogen Energy</i> 47, no. 62 (2022): 26178-26197.	7.139
9	Khan, Muhammad Sajid, Qun Huan, Mi Yan, Mustajab Ali, Obaid Ullah Noor, and Muhammad Abid. "A novel configuration of solar integrated waste-to-energy incineration plant for multi-generational purpose: An effort for achieving maximum performance." <i>Renewable Energy</i> 194 (2022): 604-620.	8.634
10	Khan, Muhammad Sajid, Qun Huan, Junguang Lin, Rendong Zheng, Zengliang Gao, and Mi Yan. "Exergoeconomic analysis and optimization of an innovative municipal solid waste to energy plant integrated with solar thermal system." <i>Energy Conversion and Management</i> 258 (2022): 115506.	11.533

1.4 Department of Electrical Engineering

Sr.#	Publication	Impact Factor
1	Abbas, Syed Zagam, Zulfiqar Ali, Anzar Mahmood, Syed Quosain Haider, Anila Kousar, Sohail Razzaq, Tehzeeb Ul Hassan, and Chun-Lien Su. "Review of Smart Grid and Nascent Energy Policies: Pakistan as a Case Study." <i>Energies</i> 15, no. 19 (2022): 7044.	3.252
2	Naseer, Raja Arslan, Muneeba Nasim, Muhummad Sohaib, Ch Jabbar Younus, Anzar Mehmood, Mehboob Alam, and Yehia Massoud. "VLSI architecture design and implementation of 5/3 and 9/7 lifting Discrete Wavelet Transform." <i>Integration</i> 87 (2022): 253-259.	1.345
3	Khan, Shahid Nawaz, Syed Ali Abbas Kazmi, Abdullah Altamimi, Zafar A. Khan, and Mohammed A. Alghassab. "Smart Distribution Mechanisms—Part I: From the Perspectives of Planning." <i>Sustainability</i> 14, no. 23 (2022): 16308.	3.889



4	Ali, Muhammad Bilal, Syed Ali Abbas Kazmi, Zafar A. Khan, Abdullah Altamimi, Mohammed A. Alghassab, and Bader Alojaiman. "Voltage Profile Improvement by Integrating Renewable Resources with Utility Grid." <i>Energies</i> 15, no. 22 (2022): 8561.	3.252
5	Zahid, Herman, Abdullah Altamimi, and Syed Ali Abbas Kazmi. "Multi-phase techno-economic framework for energy wheeling via generation capacity design of microgrids and virtual power plants." <i>Energy Reports</i> 8 (2022): 5412-5429.	4.937
6	Zahid, Herman, Abdullah Altamimi, Syed Ali Abbas Kazmi, Zafar A. Khan, and Abdulaziz Almutairi. "Floating solar photovoltaic as virtual battery for reservoir based hydroelectric dams: A solar-hydro nexus for technological transition." <i>Energy Reports</i> 8 (2022): 610-621.	4.937
7	Alvarez-Alvarado, Manuel S., Daniel L. Donaldson, Angel A. Recalde, Holguer H. Noriega, Zafar A. Khan, Washington Velasquez, and Carlos D. Rodriguez-Gallegos. "Power System Reliability and Maintenance Evolution: A Critical Review and Future Perspectives." <i>IEEE Access</i> 10 (2022): 51922-51950.	3.476
8	Alghassab, Mohammad, Zafar A. Khan, Abdullah Altamimi, Muhammad Imran, and Fahad F. Alruwaili. "Prospects of Hybrid Energy in Saudi Arabia, Exploring Irrigation Application in Shaqra." <i>Sustainability</i> 14, no. 9 (2022): 5397.	3.889
9	Ali, Jannat UlAin Binte Wasif, Syed Ali Abbas Kazmi, Abdullah Altamimi, Zafar A. Khan, Omar Alrumayh, and M. Mahad Malik. "Smart energy management in virtual power plant paradigm with a new improved multilevel optimization based approach." <i>IEEE Access</i> 10 (2022): 50062-50077.	3.476
10	Akhtar, Iram, Abdullah Altamimi, Zafar Ali Khan, and Sheeraz Kirmani. "An environmental-friendly green energy system with a real wind speed prediction based on innovative hierarchical forecast error correction model." <i>IET Renewable Power Generation</i> 16, no. 6 (2022): 1180-1193.	3.034
11	Akbar, Muhammad Imran, Syed Ali Abbas Kazmi, Omar Alrumayh, Zafar A. Khan, Abdullah Altamimi, and M. Mahad Malik. "A novel hybrid optimization-based algorithm for the single and multi-objective achievement with optimal DG allocations in distribution networks." <i>IEEE Access</i> 10 (2022): 25669-25687.	3.476
12	Mohamed, Naoui, Flah Aymen, Abdullah Altamimi, Zafar A. Khan, and Sbita Lassaad. "Power management and control of a hybrid electric vehicle based on photovoltaic, fuel cells, and battery energy sources." <i>Sustainability</i> 14, no. 5 (2022): 2551.	3.889
13	Butt, Rohan Zafar, Syed Ali Abbas Kazmi, Mohammed Alghassab, Zafar A. Khan, Abdullah Altamimi, Muhammad Imran, and Fahad F. Alruwaili. "Techno-economic and environmental impact analysis of large-scale wind farms integration in weak transmission grid from mid-career repowering perspective." <i>Sustainability</i> 14, no. 5 (2022): 2507.	3.889



14	Hussain, Mirza Shehbaz, Syed Ali Abbas Kazmi, Zafar A. Khan, Mohammed Alghassab, and Abdullah Altamimi. "Hierarchical energy management system with a local competitive power market for inter-connected multi-smart buildings." <i>IEEE Access</i> 10 (2022): 19493-19506.	3.476
15	Khan, Zafar A., Muhammad Imran, Abdullah Altamimi, Ogheneruona E. Diemuodeke, and Amged Osman Abdelatif. "Assessment of wind and solar hybrid energy for agricultural applications in Sudan." <i>Energies</i> 15, no. 1 (2021): 5.	3.252
16	Mussadiq, Usman, Saeed Ahmed, Noor Gul, Junsu Kim, and Su Min Kim. "Priority-Based Energy Sharing and Management Among Prosumers in Smart Grids." <i>IEEE Access</i> 10 (2022): 12179-12190.	3.476
17	Mirza, Jawad, Salman Ghafoor, Anila Kousar, Benish Kanwal, and Khurram Karim Qureshi. "Design of a continuous-wave ytterbium-doped tunable fiber laser pump for thulium-doped fiber amplifiers." <i>Arabian Journal for Science and Engineering</i> 47, no. 3 (2022): 3541-3549.	2.807
18	Mirza, Jawad, Salman Ghafoor, Ahmad Atieh, Benish Kanwal, and Khurram Karim Qureshi. "Widely tunable and switchable multiwavelength erbium-doped fiber laser based on a single ring cavity." <i>JOSA B</i> 39, no. 4 (2022): 1118-1129.	2.284
19	Alharbi, Abdullah G., Firdous Kanwal, Salman Ghafoor, Nazish Habib, Benish Kanwal, Ahmad Atieh, Tasleem Kousar, and Jawad Mirza. "Performance Optimization of Holmium Doped Fiber Amplifiers for Optical Communication Applications in 2–2.15 μm Wavelength Range." In <i>Photonics</i> , vol. 9, no. 4, p. 245. MDPI, 2022.	2.536
20	Mirza, Jawad, Ahmad Atieh, Benish Kanwal, and Salman Ghafoor. "Novel pumping scheme of Holmium doped fiber amplifiers operating around 2 μm using 1.48 μm lasers exploiting cascaded fiber lasers." <i>Optik</i> 262 (2022): 169238.	2.840
21	Kanwal, Benish, Ammar Armghan, Salman Ghafoor, Ahmad Atieh, Muhammad Sajid, Tasleem Kausar, Jawad Mirza, and Yun Lu. "Design and Analysis of an O+ E-Band Hybrid Optical Amplifier for CWDM Systems." <i>Micromachines</i> 13, no. 11 (2022): 1962.	3.523
22	Aziz, Imran, Dapeng Wu, Erik Öjefors, Johanna Hanning, and Dragos Dancila. "28 GHz compact dipole antenna array integrated in fan-out eWLB package." <i>International Journal of Microwave and Wireless Technologies</i> 14, no. 10 (2022): 1369-1377.	1.09
23	Sarwar, Usman, Muhammad Amin, Dragos Dancila, and Imran Aziz. "A wideband monofilar helical reflectarray antenna with large-angle beam-scanning performance." <i>IEEE Access</i> 10 (2022): 25044-25050.	3.476
24	Aziz, Imran, Björn Franzén, Erik Öjefors, and Dragos Dancila. "60 GHz RF module with beam-steering optimization algorithm for high data rate access and backhaul communications." <i>EURASIP Journal on Wireless Communications and Networking</i> 2022, no. 1 (2022): 92.	2.559



25	Sher, Omer, Yuanyuan Han, Haoyuan Xu, Hu Li, Tianbo Daun, Sharath Kumar, Anton Grigoriev et al. "Analysis of molecular ligand functionalization process in nano-molecular electronic devices containing densely packed nano-particle functionalization shells." <i>Nanotechnology</i> 33, no. 25 (2022): 255706.	3.953
26	Ahmed, Waqas, Usama Ijaz Bajwa, Muhammad Waqas Anwar, and Muhammad Sajid. "Reduced complexity and optimized face recognition approach based on facial symmetry." <i>Journal of Real-Time Image Processing</i> 19, no. 4 (2022): 809-822.	2.293
27	Rasheed, Aqsa, Nouman Ali, Bushra Zafar, Amsa Shabbir, Muhammad Sajid, and Muhammad Tariq Mahmood. "Handwritten Urdu characters and digits recognition using transfer learning and augmentation with AlexNet." <i>IEEE Access</i> 10 (2022): 102629-102645.	3.476

1.5 MUST Institute of Technology

Sr.#	Publication	Impact Factor
1	Kausar, Tasleem, Adeeba Kausar, Muhammad Adnan Ashraf, Muhammad Farhan Siddique, Mingjiang Wang, Muhammad Sajid, Muhammad Zeeshan Siddique, Anwar Ul Haq, and Imran Riaz. "SA-GAN: stain acclimation generative adversarial network for histopathology image analysis." <i>Applied Sciences</i> 12, no. 1 (2021): 288.	0.44
2	Ghafoor, Salman, Jawad Mirza, Tasleem Kousar, and Khurram Karim Qureshi. "A novel 60 gbps bidirectional free space optical link based on a single laser source." <i>Arabian Journal for Science and Engineering</i> 47, no. 11 (2022): 14721-14729.	2.807
3	Ahmed, Fahad, Ho Huu Loc, Edward Park, Muhammad Hassan, and Panuwat Joyklad. "Comparison of Different Artificial Intelligence Techniques to Predict Floods in Jhelum River, Pakistan." <i>Water</i> 14, no. 21 (2022): 3533.	3.530

1.6 Computer System Engineering

Sr.#	Publication	Impact Factor
1	Manzoor, Sajjad, Saqaf Iftikhar, Ilyas Ayub, Arqum Shahid, Auwar Ul Haq, Waisf Muhammad, and Muhammad Shafique. "Range sensor-based assistive technology solutions for people with visual impairment: a review." <i>Disability and Rehabilitation: Assistive Technology</i> (2022): 1-9.	1.834



2- Faculty of Natural and Applied Sciences

2.1 Department of Biotechnology

Sr.#	Publication	Impact Factor
1	Mahmood, Raja Tahir, Muhammad Javaid Asad, Saqib Hussain Hadri, M. A. El-Shorbagy, Abd Allah A. Mousa, Rebwar Nasir Dara, Muhammad Awais, and Iskander Tlili. "Bioremediation of textile industrial effluents by Fomitopsis pinicola IEBL-4 for environmental sustainability." Human and Ecological Risk Assessment: An International Journal 29, no. 2 (2023): 285-302.	5.190
2	Naseer, Sania, Muhammad Aamir, Muhammad Aslam Mirza, Uzma Jabeen, Raja Tahir, Muhammad Najam Khan Malghani, and Qamar Wali. "Synthesis of Ni-Ag-ZnO solid solution nanoparticles for photoreduction and antimicrobial applications." RSC advances 12, no. 13 (2022): 7661-7670.	4.036
3	Mahmood, Raja Tahir, Muhammad Javaid Asad, Muhammad Asgher, Falak Sher Khan, Khursheed Muzammil, Nazim Nasir, Pervez Anwar, and Muhammad Awais. "First report on the bioremediation of textile industrial effluents by Piptoporus betulinus IEBL-3 by using response surface methodology." Applied Sciences 12, no. 3 (2022): 1090.	2.838
4	Ahmed, Rashid, Tariq Zaman, Farhan Chowdhury, Fatima Mraiche, Muhammad Tariq, Irfan S. Ahmad, and Anwarul Hasan. "Single-cell RNA sequencing with spatial transcriptomics of cancer tissues." International journal of molecular sciences 23, no. 6 (2022): 3042.	6.208
5	Shaheen, Shabnum, Muhammad Asaf Khan, Muhammad Naveed Shahid, Zeeshan Shamim, Bilal Rasool, Khadim Hussain, Sana Khalid et al. "Morphological and palynological assessment of taxonomically problematic genus Paspalum based on light and scanning electron microscopy." Microscopy Research and Technique 85, no. 2 (2022): 623-629.	2.760
6	Shaheen, Shabnum, Javad Sharifi-Rad, Muhammad Ali, Zeeshan Shamim, Bilal Rasool, Muhammad Ashfaq, Hanan Mukhtar, Nidaa Harun, Uzma Hanif, and Riffat Siddique. "Light and scanning electron microscopy-based foliar morpho-anatomical comparison of selected family Rosaceae members distributed in District Lahore, Punjab, Pakistan." Microscopy Research and Technique 85, no. 4 (2022): 1597-1610.	2.760

2.2 Department of Botany

Sr.#	Publication	Impact Factor
1	Muhammad, S. O. H. A. I. B., and MUHAMMAD FAHEEM Siddiqui. "Taxonomic reaffirmation of some members of family Cannabaceae, Moraceae, Rhamnaceae, Rosaceae and Urticaceae of order Rosales using DNA barcodings markers." Pak. J. Bot 54, no. 1 (2022): 231-241.	0.972



2	Ajaib, Muhammad, Saiqa Ishtiaq, Muhammad Ishtiaq, Mehwish Maqbool, Khizar Hayat Bhatti, Afsheen Khan, Afeera Afreen et al. "Analysis of antidiabetic, antiulcer and analgesic potential of traditional ethnomedicinal plant <i>Emex spinosa</i> (L.) Campd. from Azad Jammu and Kashmir." <i>Plos one</i> 17, no. 10 (2022): e0274706.	3.752
3	Mazhar, Muhammad Waqas, Muhammad Ishtiaq, Mehwish Maqbool, and Raheel Akram. "Seed priming with Calcium oxide nanoparticles improves germination, biomass, antioxidant defence and yield traits of canola plants under drought stress." <i>South African Journal of Botany</i> 151 (2022): 889-899.	3.111
4	Mazhar, Muhammad Waqas, Muhammad Ishtiaq, Mehwish Maqbool, and Raheel Akram. "Efficacy of zinc oxide nanoparticles on bitter gourd growth, yield, and some phytochemicals through seed priming." <i>International Journal of Vegetable Science</i> 29, no. 2 (2023): 145-155.	3.570
5	Mazhar, Muhammad Waqas, Muhammad Ishtiaq, Mehwish Maqbool, and Raheel Akram. "Seed priming with zinc oxide nanoparticles improves growth, osmolyte accumulation, antioxidant defence and yield quality of water-stressed mung bean plants." <i>Arid Land Research and Management</i> 37, no. 2 (2023): 222-246.	1.696
6	Ishtiaq, Muhammad, Mehwish Maqbool, Mahnoor Muzamil, Ryan Casini, Abed Alataway, Ahmed Z. Dewidar, Ahmed M. El-Sabrou, and Hosam O. Elansary. "Impact of Climate Change on Phenology of Two Heat-Resistant Wheat Varieties and Future Adaptations." <i>Plants</i> 11, no. 9 (2022): 1180.	4.698
7	Waqas Mazhar, Muhammad, Muhammad Ishtiaq, Iqbal Hussain, Abida Parveen, Khizar Hayat Bhatti, Muhammad Azeem, Sumaira Thind et al. "Seed nano-priming with Zinc Oxide nanoparticles in rice mitigates drought and enhances agronomic profile." <i>PLoS One</i> 17, no. 3 (2022): e0264967.	3.375
8	Waqas Mazhar, Muhammad, Muhammad Ishtiaq, Mehwish Maqbool, Raheel Akram, Adnan Shahid, Shadi Shokralla, Hussein Al-Ghobari et al. "Seed priming with iron oxide nanoparticles raises biomass production and agronomic profile of water-stressed flax plants." <i>Agronomy</i> 12, no. 5 (2022): 982.	3.940
9	Ishtiaq, Muhammad, Humaira Khanum, Iqbal Hussain, Abida Parveen, Mehwish Maqbool, Sumaira Thind, Tanveer Hussain, Muhammad Azeem, Farah Shabir, and Hosam O. Elansary. "Ethnobotanical inventory and medicinal perspectives of herbal flora of Shivalik mountainous range of District Bhimber, Azad Jammu and Kashmir, Pakistan." <i>Plos one</i> 17, no. 3 (2022): e0265028.	3.375
10	Khanum, Humaira, Muhammad Ishtiaq, Khizar Hayat Bhatti, Iqbal Hussain, Muhammad Azeem, Mehwish Maqbool, Tanveer Hussain et al. "Ethnobotanical and conservation studies of tree flora of Shivalik mountainous range of District Bhimber Azad Jammu and Kashmir, Pakistan." <i>PloS one</i> 17, no. 2 (2022): e0262338.	3.375



11	Ishtiaq, Muhammad, Iqbal Hussain, Khizar Hayat Bhatti, Mehwish Maqbool, Khawaja Shafique Ahmed, Muhammad Ajaib, Amin ullah Shah et al. "Study of impacts of brickkiln emanations on soil quality of agriculture lands in selected areas of District Bhimber, Azad Jammu and Kashmir, Pakistan." PLoS one 17, no. 2 (2022): e0258438.	3.375
12	Ishtiaq, Muhammad, Muhammad Waqas Mazhar, Mehwish Maqbool, Abed Alataway, Ahmed Z. Dewidar, Hosam O. Elansary, and Kowiyou Yessoufou. "Application of Smart Agricultural Practices in Wheat Crop to Increase Yield and Mitigate Emission of Greenhouse Gases for Sustainable Ecofriendly Environment." Sustainability 14, no. 16 (2022): 10453.	3.889
13	Sabir, Sidra, Muhammad Arshad, Noshin Ilyas, Farah Naz, Muhammad Shoaib Amjad, Nafeesa Zahid Malik, and Sunbal Khalil Chaudhari. "Protective role of foliar application of green-synthesized silver nanoparticles against wheat stripe rust disease caused by Puccinia striiformis." Green Processing and Synthesis 11, no. 1 (2022): 29-43.	2.830
14	Riaz, Muhammad, Uzma Sharafat, Nafeesa Zahid, Muhammad Ismail, Jeongwon Park, Bashir Ahmad, Neelum Rashid, Muhammad Fahim, Muhammad Imran, and Aisha Tabassum. "Synthesis of biogenic silver nanocatalyst and their antibacterial and organic pollutants reduction ability." ACS omega 7, no. 17 (2022): 14723-14734.	4.132
15	Rashid, Neelum, Muhammad Zafar, Mushtaq Ahmad, Khafsa Malik, Syed Nasar Shah, Shazia Sultana, Nafeesa Zahid, Qumqum Noshad, and Zafar Siddiq. "Use of scanning electron microscopy to analyze sculpturing pattern and internal features of pollen grain wall in some members of Astragaleae (subfamily: Papilionoidae)." Microscopy Research and Technique 85, no. 5 (2022): 1631-1642.	2.830

2.3 Department of Chemistry

Sr.#	Publication	Impact Factor
1	Naseer, Sania, Muhammad Aamir, Muhammad Aslam Mirza, Uzma Jabeen, Raja Tahir, Muhammad Najam Khan Malghani, and Qamar Wali. "Synthesis of Ni-Ag-ZnO solid solution nanoparticles for photoreduction and antimicrobial applications." RSC advances 12, no. 13 (2022): 7661-7670.	4.036
2	Mehmood, Hasnain, Tashfeen Akhtar, Muhammad Haroon, Ehsaan Tahir, Muhammad Ehsan, Simon Woodward, and Mustapha Musa. "Synthesis of Arylidenehydrazinyl-4-methoxyphenylthiazole Derivatives: Docking Studies, Probing Type II Diabetes Complication Management Agents." Chemistry & Biodiversity 19, no. 11 (2022): e202200824.	2.745



3	Aslam, Shumaila, Muhammad Haroon, Tashfeen Akhtar, Muhammad Arshad, Muhammad Khalid, Zahid Shafiq, Muhammad Imran, and Aman Ullah. "Synthesis, Characterization, and DFT-Based Electronic and Nonlinear Optical Properties of Methyl 1-(arylsulfonyl)-2-aryl-1H-benzo [d] imidazole-6-carboxylates." ACS omega 7, no. 35 (2022): 31036-31046.	4.132
4	Haroon, Muhammad, Tashfeen Akhtar, Muhammad Khalid, Syeda Saniya Zahra, Ihsan-ul Haq, Mohammed A. Assiri, Muhammad Imran, and Ataulpa AC Braga. "Synthesized thiazole-based hydrazides and their spectral characterization along with biological studies: Promising quantum chemical insights." Journal of Molecular Structure 1270 (2022): 133923.	3.841
5	Iqbal, Yasir, Muhammad Haroon, Tashfeen Akhtar, Muhammad Ashfaq, Muhammad Nawaz Tahir, Lubna Rasheed, Muhammad Yousuf, and Muhammad Abid Zia. "Synthesis, spectroscopic characterization, single crystal XRD, Hirshfeld Surface analysis and theoretical studies (DFT) of 4-adamantyl-(2-(substitutedbenzylidene) hydrazinyl) thiazoles." Journal of Molecular Structure 1267 (2022): 133620.	3.841
6	Haroon, Muhammad, Tashfeen Akhtar, Muhammad Yousuf, Muhammad Nawaz Tahir, Lubna Rasheed, Syeda Saniya Zahra, Ihsan ul Haq, and Muhammad Ashfaq. "Synthesis, crystal structure, Hirshfeld surface investigation and comparative DFT studies of ethyl 2-(2-(2-nitrobenzylidene) hydrazinyl) thiazole-4-carboxylate." BMC chemistry 16, no. 1 (2022): 18.	4.095
7	Shahzadi, Kiran, Muhammad Haroon, Muhammad Khalid, Tashfeen Akhtar, Tahseen Ghous, Mohammed Mujahid Alam, and Muhammad Imran. "Synthesis and in Silico Docking Studies of Ethyl 2-(2-Arylidene-1-alkylhydrazinyl) thiazole-4-carboxylates as Antiglycating Agents." Chemistry & Biodiversity 19, no. 2 (2022): e202100581.	2.745
8	Mehmood, Hasnain, Muhammad Haroon, Tashfeen Akhtar, Simon Woodward, and Hina Andleeb. "Synthesis and molecular docking studies of 5-acetyl-2-(arylidenehydrazin-1-yl)-4-methyl-1, 3-thiazoles as α -amylase inhibitors." Journal of Molecular Structure 1250 (2022): 131807.	3.841
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14	Wali, Qamar, Faiza Jan Iftikhar, Muhammad Ejaz Khan, Andrew Balilonda, Muhammad Aamir, Wei Fan, and Shengyuan Yang. "High efficiency (> 20%) and stable inverted perovskite solar cells: current progress and future challenges." <i>Journal of Materials Chemistry C</i> 10, no. 36 (2022): 12908-12928.	4.17
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2.4 Department of CS& IT

Sr.#	Publication	Impact Factor
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2.5 Department of Mathematics

Sr.#	Publication	Impact Factor
1	Latif, Asia, and Rashida Hussain. "New Hadamard-type inequalities for E-convex functions involving generalized fractional integrals." <i>Journal of Inequalities and Applications</i> 2022, no. 1 (2022): 1-18.	2.491
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36	Salahuddin, T., Muhammad Habib Ullah Khan, Mair Khan, Basem Al Alwan, and Abdelfattah Amari. "An analysis on the flow behavior of MHD nanofluid with heat generation." <i>Fuel</i> 311 (2022): 122548.	8.035
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38	Salahuddin, T., Aqib Javed, Mair Khan, Muhammad Awais, and Basem Al Alwan. "A significant impact of Carreau Yasuda material near a zero velocity region." <i>Arabian Journal of Chemistry</i> 15, no. 10 (2022): 104166.	6.212
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41	Tanveer, Anum, Mair Khan, T. Salahuddin, Basem Al Alwan, and Abdelfattah Amari. "Dynamics of Walters' B fluid due to periodic wave in a convectively heated channel with internal heat generation." <i>Mathematics and Computers in Simulation</i> 199 (2022): 374-393.	3.601
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49	Khan, Mair, T. Salahuddin, Basem Al Alwan, and Qaisar Khan. "A Blasius boundary layer analysis for variable viscosity function near a flat plate." <i>International Communications in Heat and Mass Transfer</i> 138 (2022): 106320.	6.782
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54	Khan, Mair, T. Salahuddin, and Harun Bangali. "An entropy flow analysis by means of new scaling transformations." <i>International Journal of Hydrogen Energy</i> (2022).	7.139
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60	Tanveer, Anum, Mair Khan, T. Salahuddin, Basem Al Alwan, and Abdelfattah Amari. "Dynamics of Walters' B fluid due to periodic wave in a convectively heated channel with internal heat generation." <i>Mathematics and Computers in Simulation</i> 199 (2022): 374-393.	3.601
61	Tanveer, Anum, and Sajida Aziz. "Blood flow problem with magnetic field and heat transfer effects in narrow channel (arteries)." <i>Waves in Random and Complex Media</i> (2022): 1-13.	3.41
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2.6 Department of Physics

Sr.#	Publication	Impact Factor
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2.7 Department of Statistics

Sr.#	Publication	Impact Factor
1	Shakil, Mohammad, Aneeqa Khadim, Aamir Saghir, Mohammad Ahsanullah, B. M. Golam Kibria, and M. Ishaq Bhatti. "Ratio of Two Independent Lindley Random Variables." <i>Journal of Statistical Theory and Applications</i> 21, no. 4 (2022): 217-241.	0.8
2	Bakouch, H.S., Hussain, T., Chesneau, C. and Jónás, T., 2022. A notable bounded probability distribution for environmental and lifetime data. <i>Earth Science Informatics</i> , 15(3), pp.1607-1620.	2.98



3	Elbatal, Ibrahim, Sadaf Khan, Tassaddaq Hussain, Mohammed Elgarhy, Naif Alotaibi, Hatem E. Semary, and Mahmoud M. Abdelwahab. "A New Family of Lifetime Models: Theoretical Developments with Applications in Biomedical and Environmental Data." <i>Axioms</i> 11, no. 8 (2022): 361.	1.93
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2.8 Department of Zoology

Sr.#	Publication	Impact Factor
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4	Usman, Ali, Basharat Ahmad, Riaz Aziz Minhas, Muhammad Kabir, Muhammad Siddique Awan, Liaqat Ali Khan, and Muhammad Bashir Khan. "Habitat Suitability Modeling of Asiatic Black Bear (<i>Ursus thibetanus</i>) in Azad Jammu and Kashmir, Pakistan." <i>Pakistan Journal of Zoology</i> 55, no. 3 (2023): 1273.	0.687

3- Faculty of Social Sciences & Humanities

3.1 Department of Islamic Studies

Sr.#	Publication	Impact Factor
1	Aleem, Abdul, Ali Asghar Khan, Hafiz Muhammad Sarwar, Asjad Ali, Khawar Mansoor, and Talib Ali Awan. "Interfaith In Islamic State For Diversity & Harmony." <i>Journal of Positive School Psychology</i> 6, no. 11 (2022): 496-501.	1.18
2	Khan, Abdul Rehman, Syed Mehmood Ahmad Hasnain, Usmā Anser, and Asghar Ali. "A RESEARCH REVIEW OF THE INTER-FAITH HARMONY AMONG VARIOUS RELIGIOUS SCHOOLS OF THOUGHT IN PAKISTAN." <i>PalArch's Journal of Archaeology of Egypt/Egyptology</i> 19, no. 3 (2022): 1649-1669.	0.116



3	Dawood, Raja Naveed, Abdul Rehman Khan, Sajjad Ahmad, and Basharat Rafique. "RESEARCH STUDY ON PROMOTION OF ISLAMIC LITERATURE ON SOCIAL MEDIA IN PAKISTAN AND ISLAMIC PERSPECTIVE." <i>PalArch's Journal of Archaeology of Egypt/Egyptology</i> 19, no. 4 (2022): 508-532.	0.116
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3.2 Department of Economics

Sr.#	Publication	Impact Factor
1	Zhang, Jinjun, Kashif Raza Abbasi, Khadim Hussain, Sabahat Akram, Rafael Alvarado, and Abdulaziz I. Almulhim. "Another perspective towards energy consumption factors in Pakistan: fresh policy insights from novel methodological framework." <i>Energy</i> 249 (2022): 123758.	8.81
2	Abbasi, Kashif Raza, Festus Fatai Adedoyin, Magdalena Radulescu, Khadim Hussain, and Sultan Salem. "The role of forest and agriculture towards environmental fortification: designing a sustainable policy framework for top forested countries." <i>Environment, Development and Sustainability</i> (2021): 1-28.	4.35
3	Ilyas, Rubina, Khadim Hussain, Mehreen Zaid Ullah, and Jianhong Xue. "Distributional impact of phasing out residential electricity subsidies on household welfare." <i>Energy Policy</i> 163 (2022): 112825.	7.37
4	Abbasi, Kashif Raza, Khadim Hussain, Akram Masoud Haddad, Asma Salman, and Ilhan Ozturk. "The role of financial development and technological innovation towards sustainable development in Pakistan: fresh insights from consumption and territory-based emissions." <i>Technological Forecasting and Social Change</i> 176 (2022): 121444.	10.882
5	Abbasi, Kashif Raza, Khadim Hussain, Magdalena Radulescu, and Ilhan Ozturk. "Asymmetric impact of renewable and non-renewable energy on the industrial sector in Pakistan: fresh evidence from Bayesian and non-linear ARDL." <i>Renewable Energy</i> 187 (2022): 944-957.	8.65
6	Malik, Arshad Mahmood, Nigah Hussain, and Nasim Akhter. "Agriculture Labour Supply in Irrigated Plains of Punjab Options for Small Rural Household." <i>Sarhad Journal of Agriculture</i> 38, no. 4 (2022).	0.55

3.3 Department of Sociology

Sr.#	Publication	Impact Factor
1	Ali, Nusrat, Muhammad Shoaib, and Farooq Abdullah. "Information literacy and research support services in academic libraries: a bibliometric analysis from 2001 to 2020." <i>Journal of Information Science</i> 49, no. 6 (2023): 1593-1606.	2.462
2	Shoaib, Muhammad, Nusrat Ali, Behzad Anwar, and Farooq Abdullah. "Library services and facilities in higher education institutions during coronavirus disease (COVID-19) in Pakistan." <i>Journal of Information Science</i> (2022): 01655515221141035.	2.462



4- Faculty of MUST Business School

Sr.#	Publication	Impact Factor
1	Ngah, Rohana, Nurul Aizar Azman, and Muhammad Khalique. "The impact of innovation, organizational, technological capital on innovation performance of SMEs: the mediating effect of innovative intelligence." <i>International Journal of Business and Society</i> 23, no. 1 (2022): 427-443.	0.237
2	Khalique, Muhammad, and Jamal Abdul Nassir Bin Shaari. "Intellectual capital and challenges of the halal industry in Malaysia." <i>International Journal of Innovation and Learning</i> 32, no. 1 (2022): 89-103.	0.237

ADMINISTRATIVE AND ALLIED OFFICES

- Networks & Telcom Centre
- Office of Research, Innovation and Commercialization
- Quality Enhancement Cell
- Students Assistance Centre
- Advanced Studies and Research Board
- Planning & Development Department
- Human Resource Management
- Sports Activities

Office of Research, Innovation and Commercialization (ORIC), Quality Enhancement Cell (QEC), Students Assistance Centre (SAC)/ Kamyab Jawan Markaz, Advanced Studies and Research Board (ASRB), Planning & Development Department (P&D), Human Resource Development (HRD), Sports

CHAPTER 4



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Networks and Telecommunication Centre (NTC)

Imtiaz Ahmed Bhat

Director

I am thrilled to extend a warm welcome to each of you as we embark on a new academic year filled with infinite possibilities and exciting technological advancements. As the Head of the IT Department, I am excited to share the profound impact that Information Technology (IT) and cutting-edge technologies will have on shaping the future of education.

In today's rapidly evolving world, technology is not just a tool; it's a catalyst for transformative change. The integration of IT in education is not merely about adopting the latest gadgets or software; it's about leveraging these tools to revolutionize the learning experience for our students and empower our educators.

Here are a few key reasons why IT and technology play a pivotal role in education:

Global Connectivity: Technology breaks down geographical barriers, connecting students and educators from different corners of the world. This interconnectedness fosters collaboration, diverse perspectives, and a global understanding that is crucial in preparing our students for the challenges of the 21st century.

Personalized Learning: IT allows us to tailor educational experiences to individual needs, learning styles, and pace. Through adaptive learning platforms and data analytics, we can identify areas of strength and weakness, providing personalized support to each student and ensuring that no one is left behind.

Innovation and Creativity: Embracing technology in education nurtures a culture of innovation and creativity. From virtual reality to artificial intelligence, these tools open up new possibilities for immersive and engaging learning experiences that captivate the imagination and spark a passion for learning.

Efficiency and Collaboration: IT streamlines administrative processes, making it easier for educators to focus on what truly matters – teaching. Collaborative tools enable seamless communication and teamwork among students, teachers, and administrators, fostering a culture of shared knowledge and best practices.

Preparation for the Future: In an era where technology is at the forefront of nearly every industry, equipping our students with digital literacy and technological skills is essential. By integrating IT into education, we are preparing our students not only for academic success but also for success in a digital, interconnected world.

As we embark on this academic journey, let us embrace the opportunities that technology presents and work collaboratively to ensure that our educational institution remains at the forefront of innovation and excellence.

I look forward to working alongside each of you to create a dynamic and tech-savvy learning environment that inspires both students and educators alike.



A few words about the department

Realizing the importance of advancement in the technology, NTC (Network and Telecommunication Centre) as a separate department, was established in June 2010. The establishment of NTC department is aimed at enhancing the facility of network and telecommunication for the University. NTC at MUST Mirpur, is a team of highly dedicated and professional members, responsible for providing IT, computing, corporate trainings and consultancy services not only to the MUST campus but also to public and private organizations.

Mission

To provide the best, innovative, reliable and integrated IT solutions/support. We are committed to support/meet user requirements at MUST, Mirpur by delivering ethical, reliable, and high-quality solutions of strategic value.

Services we provide

- **Wired and Wireless Internet services for all the campuses of MUST**
- **Admin Block Telecom Exchange management**
- **Campus Management System**
- **ICT Support**
 - » **Helpdesk services**
 - » **During special events**
- **Web Design and Services**
 - » **MUST Website**
 - » **Alumni Website**
- **In-House Software Development**
 - » **MUST ERP**
 - » **MUST Admission System**
- **Graphic Design**
 - » **MUST Annual Report**
 - » **MUST Staff and Student ID Card**
- **ID Card Printing**
- **Surveillance Support**
- **Data Centre Operations**
 - » **Servers Management**
 - » **Power Management**
 - » **Temperature Management**
- **Trainings for Staff and Students**
 - » **Cisco Academy Classes**
 - » **Microsoft Teams**
- **Video conference room as a facility**
- **Services with collaboration of HEC**
 - » **Microsoft Office 365**
 - » **Microsoft Azure**
- **Data entry service**
- **Civic engagements/commercialization**
 - » **KORT**
 - » **Chamber of commerce**
 - » **Tax department**
 - » **AG office**
 - » **Traffic police**
 - » **Mirpur Education Board**
 - » **MDA**
 - » **DHQ Hospital**
 - » **inland revenue**

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ADVANCED STUDIES AND RESEARCH BOARD (AS&RB)

The AS&RB considers the policies for admission for higher studies, approval of synopsis and research titles for M.Phil/ MS and Ph.D studies. Besides implementation of HEC rules and adoption of new PhD policy, the board also examines the cases of semester extension and freezing. AS&RB plays an important role to enhance quality of education and to promote research culture in the university which will ultimately uplift the ranking of the university. The board is headed by Dr. Prof. Dr. Sajid and Dr. Shahid Aziz serves as Deputy Director AS&RB.

14th meeting of AS&RB

Brig. (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor MUST, Mirpur/Chairman AS&RB meeting, chaired 13th Meeting of Advance Studies & Research Board (AS&RB), held on Wednesday, 9th March 2022 in the electrical conference hall, city campus, MUST. Dr. Muhammad Ishtiq, Director AS&RB and Dr Shahid Aziz, Deputy Director AS&RB received the Worthy Vice Chancellor on 13th Meeting of AS&RB. The Vice Chancellor, assured that necessary funds will be provided to the faculty for research purposes. Prof. Dr. Khazir Ul Haq, Registrar MUST, Prof. Dr. Anwar Khitab Dean Faculty of Health and Medical Sciences, Prof. Dr. Hassan Mujtaba Jafri, Dean Faculty of Engineering and Technology, Prof. Dr. Tahseen Ghous, Dean Faculty of Social Sciences and Humanities, Prof Dr Muhammad Aziz Chaudhary, Dean Faculty of Natural and Applied Sciences, Dr Sadat Hanif Dar, Dean Faculty of Veterinary and Animal Sciences, Dr. Muhammad khalique, Treasurer, Dr. Rashida Hussain, Chairpersons department of Mathematics and Dr. Naeem Ahmed Ratyal, Chairperson department of Electrical Engineering participated as members of AS&RB meeting. Mr. Kamran Hameed, Controller of Examinations was an observer of the AS&RB meeting.

Advanced Studies and Research Board (AS&RB) holds it's 15th Meeting

The 15th meeting of the Advanced studies and research board (AS&RB), was held on 28/12/2023 in city campus, MUST. The meeting was attended by Prof Dr. Anwar Khitab, Director ASRB and other Board members and observers. The meeting started with the recitation of verses from the Holy Quran. The meeting concluded after the discussion of all the agenda items. All the members were thanked for the their valuable suggestions and feedback.





Office Of Research, Innovation And Commercialization (ORIC)

Prof. Dr. Faisal Riaz
Director

Director Message

MUST, as an institution in higher education, research and innovation aims to play a central role in the advancement of society and economy by foster economic growth, strengthening technological progress, and enhancing job creation. I am confident that MUST will be successful in developing new partnerships with leading companies, foundations, and other research-intensive institutions to transfer knowledge from lab to practice. It will provide support for talented faculty and students to pursue foundational research, ideas exchange and most importantly, help prepare students to be citizens.

MUST ORIC team takes pride in bridging the academia with industry, government, HEIs and funding (National and International) agencies. In a very short span of time ORIC has facilitated its faculty and students in doing high impact factor quality research and working towards protecting their intellectual property rights. ORIC believes that startups can contribute significantly to global economic and social development and hence is working actively towards setting up of a Business Incubation Center.



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Identification and Circulation of Research Grants

ORIC office regularly identifies different research grant opportunities for MUST researchers from national and international funding bodies and circulate among all the researchers via email and other means of social platforms. This year ORIC has identified and circulated the following grant calls:

SN	Title of Research Grant Opportunity	Funding Agency	Funding Amount	Date of Circulation	National / International	Deadline
1	Challenge Driven Innovation Fund by Ignite	Ministry of IT & Telecom	10 Million (Rs)	18/07/2022	National	07/08/2022
2	6th Call for Energy Crisis proposals by PSF	Pakistan Science Foudation (PSF)	20 Million (Rs)	05/08/2022	National	15/08/2022
3	ICG Call for proposals	International Growth Centre (ICG)	0.04 Million (GBP)	14/07/2022	International	30/09/2022
4	Apply for a Warp Grant	Applied Physics Organization		01/07/2022	International	
5	The ERC Synergy Grant 2023 call	The European Research Council	10 Million (Euros)	05/08/2022	International	08/11/2022
6	The ERC STARTING GRANTS	The European Research Council	1.5 Million (Euros)	05/08/2022	International	25/10/2022
7	Call for Proposals for Financial Assistance through PSDP Project RD&I in PCSIR	Ministry of Science and Technology		11/08/2022	National	
8	IDRC Research Grant	International Development Research Centre	1.2 Million (CAD)	12/08/2022	International	16/08/2022
9	Growth Stage Start-Up Grant (Round-II) Grant Advertisement _15_08_2022-11_47_24	National Business Development Program (NBDP)	0.5 Million (Rs)	24/08/2022	National	31/10/2022
10	Sustainable Approaches for Reusing Concrete by Wazoku	Wazoku Crowd	0.03 Million (USD)	15/09/2022	International	05/10/2022
11	Chemistry Week Grant by RSC	The Royal Society of Chemistry	0.005 Million (GBP)	15/09/2022	International	03/10/2022
12	PM National Innovation League for Startups	Prime Minister Youth Program	2 Million (Rs)	04/10/2022	National	15/11/2022
13	PERIDOT Research Program	Higher Education Commission (HEC)		12/10/2022	International	18/11/2022
14	IDEAS 2022 at Karachi Expo by NUST NCAI	National Centre of AI (NACI) NUST	0.5 Million (Rs)	13/10/2022	National	20/10/2022



15	15- Call for proposals for IDEA BANK 2022	National Idea Bank			National	29/08/2022
16	INQAAHE Funding Scheme 2022-2023 Call for Research Innovation Proposals	The International Network for Quality Assurance Agencies in Higher Education (INQAAHE)	0.025 Million (USD)	18/10/2022	International	14/11/2022
17	AI4Media project funding	AI4Media	0.05 Million (Euros)	18/10/2022	International	30/11/2022
18	4th call for proposals under the Technology Development Fund (TDF)	HEC (TDF)	14 Million (Rs)	14/11/2022	National	20/12/2022
19	Call for Proposals on Climate Fragility Risks	The Complex Risk Analytics Fund (CRAF'd)	0.75 Million (USD)	14/11/2022	International	25/11/2022
20	DKMS John Hansen Research Grant	DKMS via idw	0.240 Million (Euros)	23/11/2022	International	02/12/2022
21	Innovative Seed Fund (ISF)	HEC (ISF)	0.035 million (USD)	05/12/2022	National	03/01/2023
22	International Development Fund for Microbiologists	Microbiology Society	0.005 million (GBP)	15/12/2022	International	10/04/2023
23	Green Chemistry research grants for young scientists	UNESCO	0.03 million (USD)	04/01/2023	International	30/06/2023
24	Green Chemistry special grants for research projects on phosphogypsum	UNESCO	0.03 million (USD)	04/01/2023	International	30/06/2023
25	Rapid Technology Transfer Grant	HEC	20 million (USD)	09/01/2023	National	07/02/2023
26	CAREC University Startup Generator 2023 Challenge	CAREC and ADB	0.005 million (USD)	09/01/2023	International	01/02/2023
27	RASTA PIDE CGP 5.0 Call for Research Proposals	RASTA PIDE	5 million (USD)	02/02/2023	National	20/02/2023
28	ICGEB-CRP-Call-2023	International Centre for Genetic Engineering and Biotechnology	0.025 million (EUROS)	06/02/2023	International	30/04/2023
29	IsDB-TWAS Joint Research and Technology Transfer Grant 2023	Islamic Development Bank	0.05 million (USD)	10/02/2023	International	14/02/2023
30	IKI International Small Grants 2023	International Climate Initiative	0.01 million (EUROS)	10/02/2023	International	15/03/2023



31	The UAE Research Program for Rain Enhancement	UAE Research Program	1.5 million (USD)	23/02/2023	International	16/03/2023
32	G2LM LIC Call for Proposals 2023	IZA Institute of Labour Economics	0.4 million (EUROS)	27/02/2023	International	10/04/2023
33	PIECEs Small Scale Research Grants 2023	National Institute for Health Research (NIHR)	0.0025 million (GBP)		International	30/09/2022
34	7th call for Proposals on Nanotechnology Materials AI	PSF	20 Million (Rs)	09/03/2023	National	25/03/2023
35	The Einstein Foundation Award for Promoting Quality in Research	The Einstein Foundation	0.5 million (EUROS)	20/03/2023	International	30/04/2023
36	Pakistan English Language Professional Development for Teachers, Students, and Young Professionals	US Embassy Islamabad	0.5 million (USD)	21/03/2023	International	03/05/2023
37	Safeguarding Cultural Heritage Grant	US Embassy Islamabad	0.25 million (USD)	21/03/2023	National	28/04/2023
38	Call for applications from South and Southeast Asian researchers for their Cultivating the Humanities and Social Sciences (CHSS) Research Grants	Association for Asian Studies (AAS)	0.012 million (USD)		International	29/09/2022
39	2023 Silk Roads Youth Research Grant	UNESCO	0.01 million (USD)	24/03/2023	International	31/05/2023
40	Open Call for Innovation Challenges on Water Quality Monitoring & Assessment	UNESCO		24/03/2023	International	31/03/2023
41	National Innovation Fund 2023	Ministry of Planning Development and special initiatives	Rs. 20 million	31/03/2023	National	30/04/2023
42	Artistic Research Residency Grant 2023	British Council		29/04/2023	International	15/04/2023
43	Rapid Technology Transfer Grant 2	HEC	Rs. 20 million	31/03/2023	National	08/06/2023
44	INVITATION OF RESEARCH PROPOSALS UNDER 10th BATCH OF AGRICULTURAL LINKAGES PROGRAM (ALP), PARC	AGRICULTURAL LINKAGES PROGRAM (ALP), PARC		06/06/2023	National	08/06/2023



45	Development-of-Urdu-Screen-Reader-for-PWDs-V8.0-10-03-2023-CEO-Version	IGNITE		06/06/2023	National	21/06/2023
46	the Merck research grants program of Green Hydrogen	the Merck research grants	0.2 million (EUROS)	12/06/2023	International	31/08/2023
47	Research Grants on Education	Spencer Foundation	0.05 million (USD)	12/06/2023	International	09/08/2023
48	Cultivating the Humanities and Social Sciences (CHSS) Research Grants	The Association for Asian Studies	0.012 million (USD)	12/06/2023	International	01/09/2023
49	Silk Roads Youth Research Grant	UNESCO	0.01 million (USD)	12/06/2023	International	14/06/2023
50	Health and Science Research Request for Proposals	The Foundation for a Smoke-Free World		14/06/2023	International	10/07/2023
51	RESEARCH ON ASSESSING NEEDS OF APO MEMBERS, BY APO SECRETARIAT, JAPAN, INTERNATIONAL SCHOLARSHIP RESEARCH PROGRAM	APO SECRETARIAT, JAPAN, INTERNATIONAL SCHOLARSHIP RESEARCH PROGRAM		14/06/2023	International	03/07/2023



Internal Research Grants Awarded

ORIC invited SDGs based research proposals against the Small Research Grant Program (SRGP) from the faculty members of MUST under the Budget Head-A022 "Research, Survey and Exploratory Operations".

SMALL
RESEARCH
GRANTS

CALL FOR PROPOSALS

RS 250,000

FOR
PROTOTYPE
DEVELOPMENT

Office of Research, Innovation, and Commercialization (ORIC) invites the faculty members of Mirpur University of Science and Technology (MUST) to submit research proposals for prototype development that can lead to commercialization. The proposals must be focused on socio-economic issues and local industrial problems in line with the Sustainable Development Goals (SDGs)

ELIGIBILITY CRITERIA

- The Principal Investigator must be a university faculty member working on a regular or contract basis (contract duration must not be less than project duration).
- All the researchers are supposed to follow the given procedure:
 1. The applicants need to submit their research project proposals in the prescribed format provided by the university (Available on University Website).
 2. The Last date for submission of the proposal is 15TH February 2023 and no proposal will be considered after the due date.
 3. ORIC will initially scrutinize the proposals and then send them to the Internal Research Committee/Ethical IRB.
 4. The researchers will present their proposals to the Internal Review Committee. The successful proposals will be granted funding under SRG.

PRIORITY RESEARCH AREAS

- *Waste management and creative recycling methods (SDG-06)*
 - *Biotechnological waste-water treatment*
 - *Fabrication of toxic element detection sensors for pollution control*
 - *Development of electrodes for heavy metal detection*
- *Climate Change and Environment (SDG-13)*
 - *Protection of AJK forests using AI system control*
 - *Plantation of early fast-growing trees and plants*
- *Emerging advanced technologies for solving local problems to create societal/ socio-economic impact (SDG-02, SDG-03, SDG-06, SDG-08, SDG-09, SDG-12, SDG-15)*
 - *Nanotechnology / Nano-sensors, Electrical Vehicles*
 - *Self-Driving Vehicles*
 - *Opto-electronic-based industrial solutions.*
 - *Energy Storage Technologies*
 - *IT, IoT, and AI-based solutions*
 - *Smart Patient Monitoring Systems, Telecom and Blockchain applications*
- *Agricultural Productivity and Food Security (SDG-02, SDG-12)*
- *Water Management and Sustainability (SDG-06)*
- *Sustainable Energy and Renewable Energy (SDG-07)*
- *Animal Health and Production (SDG-03, SDG-12)*
- *Immunology, Diagnostics & Vaccine Technology (SDG-03)*
- *Transport & smart Traffic management and Smart cities and Architecture (SDG-09, SDG-11)*
- *Bioinformatics & Big-data Analytics (SDG-03, SDG-15)*
- *Quality Education (SDG-04)*
- *Advanced Materials and Manufacturing (SDG-04)*
- *Mathematical Methods Applied to Economy and SDGs (SDG-02, SDG-12)*

LAST DATE

13 FEBRUARY 2023

Proposal Format is Available at MUST's website download section www.must.edu.pk

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OFFICE OF
RESEARCH
INNOVATION &
COMMERCIALIZATION
Mirpur University of Science & Technology (MUST)



Research Grants Approved

1. Pakistan Innovation Fund Grant Approved

SN	Name of Research Grant	Name of PI with Designation and Department	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
1	Pakistan Innovation Fund	Dr. Sohaib Manzoor, Lecturer	Software Defined Networks	Towards reducing handoff times in next-generation wireless networks	10 million

2. HEC Grants Approved

SN	Name of Research Grant	Name of PI with Designation and Department	Thematic Area	Title of Research Proposal	Total Funding Approved (Rs.)
1	NCRA Lab	Prof. Dr. Faisal Riaz, Professor, CS&IT	Autonomous Vehicles	Establishment of National Control Automotive and Robotics Lab	3.652 million

3. Joint International Grants Approved

SN	Name of Research Grant	Name of PI with Designation and Department	Thematic Area	Title of Research Proposal	Total Funding Approved
1	Mobility Grant by British Council	Dr. Zafar Ali Khan, Assistant Professor, Electrical Engineering	Engineering and Technology	Going Global Partnership PAK-UK Education Gateway Mobility Partnership For Faculty	PKR 9,094,800
2	Energy Catalyst Round 9 – Early Stage by Innovate UK			Hybrid Energy-Powered Smart Irrigation System for Smallholder Farmers	£8047
3	Engineering and applied science research center, Majmaah University, Ministry of Education, KSA			Development of conceptual roadmap for renewables for smart solar dominated smart homes, smart buildings and smart microgrids	72,400 Saudi Riyal



4. Ignite Grants Approved

S. No.	Code	FYP Title	Amount (Rs.)
1	NGIRI-2022-10933	AL Niswah App	PKR 77,500
2	NGIRI-2022-11215	Generation of electricity from waste materials	PKR 24,420
3	NGIRI-2022-11329	Drive automated system for Far and DISTORTED number plate system	PKR 80,000
4	NGIRI-2022-12940	SDN based network	PKR 80,000
5	NGIRI-2022-15206	Solar health monitoring system	PKR 30,380
6	NGIRI-2022-15353	Deep learning based urdu text detection and recognition	PKR 70,000
7	NGIRI-2022-16296	Aumatic licences recognition system using image processing	PKR 24,550
TOTAL AMOUNT			PKR 386,850

5. Pakistan Engineering Council Projects

S. No.	Project Supervisors	Project Title	Amount (Rs.)
1	Dr. Khuram Pervez Amber	Design, development and experimental analysis of a waste heat recovery system for the surface of a rotary cement kiln	PKR 200,000
2	Engr. Dr. Sohaib Manzoor	Towards Reducing Handoff Times in Next Generation Wireless Networks	PKR 200,000
3	Engr. Dr. Sohaib Manzoor	Traffic-Aware Service Differentiation in Software Defined Networks for Healthcare	PKR 200,000
TOTAL AMOUNT			PKR 600,000

6. Bussiness Incubation Center (BIC) MUST Establishment Grant by HEC

Mirpur University of Science and Technology (MUST), Mirpur AJ&K secured significant grant of Rs. 24 million by the Higher Education Commission (HEC) Islamabad for the establishment of a state-of-the-art Business Incubation Center at MUST, Mirpur AJ&K. This achievement reflects the unwavering dedication and hard work of Brig (R) Prof. Dr. Muhammad Younus Javed SI (M), Vice Chancellor MUST, Mirpur AJ&K and his exceptional team. The Business Incubation Center at MUST, Mirpur will serve as a transformative platform to foster entrepreneurship and innovation in the region.

This center aims to provide aspiring entrepreneurs with the necessary resources, mentorship, and infrastructure to transform their innovative ideas into successful businesses. By nurturing a culture



of innovation and entrepreneurship, MUST is determined to contribute to the economic growth and development of AJ&K and beyond.

The grant, awarded by the HEC, serves as a testament to the academic excellence and research capabilities of MUST. In recognition of Mirpur University's commitment to the project, the HEC has also set a condition that the university must contribute an additional amount of Rs. 15 million towards the establishment of the Business Incubation Center. This requirement highlights Mirpur University's dedication to investing in cutting-edge facilities and programs that promote innovation and support the entrepreneurial ecosystem.

Research Links Established

MUST has established research links with different national and international HEIs, Industries, Corporate sectors and communities over the year. Every year MUST collaborates with many new HEIs, Industries, Corporate sectors and communities. The detail are as follows:

SN	Type of Linkage (Academic or Research)	International or National	Name of Collaborating Agency/ Institution	Address of Collaborating Agency/ Institution	Country of Collaborating Agency/ Institution	Field of Study / Research Broader Areas	Linkage Establishment Date
1	Academic	International	University of Utah	201 Presidents' Cir, Salt Lake City, UT 84112, USA	USA	Strengthening HEIs Governance, Academics and Research	21/9/2022
2	Academic	International	University of Alabama	Tuscaloosa, AL 35487, USA	USA	Strengthening HEIs Governance, Academics and Research	21/9/2022
3	Academic	International	Institute of International Education (IIE)	IIE's New York headquarters, USA	USA	Strengthening HEIs Governance, Academics and Research	21/9/2022
4	Academic	National	National University of Science and Technology (NUST), Islamabad	Islamabad	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
5	Academic	National	National University of Technology (NUTECH), Islamabad	Islamabad	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
6	Academic	National	Women University, Swabi	Swabi, KPK	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
7	Academic	National	People's University of Medical & Health Sciences for Women, Nawab Shah	Nawab Shah, Sindh	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
8	Academic	National	Sindh Agriculture University (SAU), Tandojam	Tandojam, Sindh	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
9	Academic	National	University of Swat, Swat	Swat, KPK	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022



10	Academic	National	Karakoram International University (KIU), GB	Gilgit, GB	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
11	Academic	National	Sardar Bahadur Khan Women (SBKW) University, Quetta	Quetta	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
12	Academic	National	Fatima Jinnah Women University (FJWU), Rawalpindi	Rawalpindi	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
13	Academic	National	Abdul Wali Khan (AWK) University, Mardan	Mardan, KPK	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
14	Academic	National	Baluchistan University of Information Technology, Engineering, and Management Sciences (BUIITEMS), Quetta	Quetta	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
15	Academic	National	Institute of Business Administration (IBA), Karachi	Karachi	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
16	Academic	National	Lahore College Women University (LCWU), Lahore	Lahore	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
17	Academic	National	University of Peshawar (UOP), Peshawar	Peshawar	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
18	Academic	National	University of Engineering and Technology (UET), Lahore	Lahore	Pakistan	Strengthening HEIs Governance, Academics and Research	21/9/2022
19	Academic	National	Khastech Solutions	Islamabad, Pakistan	Pakistan	technology company	22/3/2022
20	Academic	National	Mirpur Chamber of Commerce Mirpur AJK	Mirpur AJK	Pakistan	Chamber of Commerce	22/3/2022
21	Academic	National	Digitonex	Office No 144, T Block, Trust Plaza, Grand Trunk Rd, Model Town, Gujranwala, Punjab	Pakistan	IT Services and IT Consultation	22/3/2022
22	Academic	National	Blue Envision	Al-Khudadad, Office #2B, Murree Road, Shamsabad, Rawalpindi	Pakistan	Software house	22/3/2022
23	Education	National	Azad Jammu and Kashmir Power Development Organization	Muzaffarabad AJK	Pakistan	Electricity generation and transmission	08-11-2022



24	Education	National	Gujranwala Electric Power Company	Gujranwala	Pakistan	Electricity generation and transmission	18-10-2022
25	Education	National	WAPDA	186 WAPDA House, Lahore	Pakistan	Electricity generation and transmission	25-10-2022
26	Academic	National	Professional Educational Foundation (PEF)	3rd Floor, 48 -C 1st Commercial Lane, D.H.A Phase 6 Bukhari Commercial Area Phase 6 DHA, Karachi	Pakistan	Education	12-10-22
27	Education	National	Azad Jammu and Kashmir Health Department	Muzaffarabad AJK	Pakistan	Health	16-12-2022
28	Education	National	Azad Jammu and Kashmir Electricity Department	Mirpur AJK	Pakistan	Electricity	26-09-2022
29	Academic	National	7-Star and Co. Pvt Ltd.	Mirpur AJ&K	Pakistan	Construction Company	26-09-2022
30	Academic	National	China Three Gorges South Asia Investment Limited	Mirpur AJ&K	Pakistan	investment holding company	26-09-2022
31	Academic	National	MHK Engineering Pvt. Ltd.	Islamabad	Pakistan	Electrical, civil contractor and general supplier company	26-09-2022
32	Academic	National	COMPAS Solar	Mirpur AJ&K	Pakistan	Solar company	26-09-2022
33	Education	National	NESPAK	Islamabad	Pakistan	Construction Consultancy	26-09-2022
34	Education	National	Mangla Power House	Mangla Mirpur AJ&K	Pakistan	Electricity Generation and Transmission	26-09-2022
35	Education	National	KOHSAR Hydro Power Plant, Jari Kass	Jari Kass, Mirpur AJ&K	Pakistan	Electricity Generation	26-09-2022
36	Education	National	New Bong Escape Hydro Power Plant, Jari Kass	Mirpur AJ&K	Pakistan	Electricity Generation	26-09-2022
37	Education	National	PRESCON Pvt. Ltd.	Lahore	Pakistan	electrical testing & inspection services, energy audit, and asset management solutions	26-09-2022
38	Academic	National	Special Communication Organization (SCO), Mirpur AJK	Mirpur AJ&K	Pakistan	Telecommunications	26-09-2022
39	Academic	National	Nafees Group of Companies	Mian Muhammad Road Mirpur AJ&K	Pakistan	Textile and Bakery	26-09-2022



40	Research	International	International Islamic University Islamabad	Islamabad	Pakistan	Engineering	15-03-2023
41	Research	International	Aston University	Birmingham, England	England	Engineering	15-03-2023
42	Research	International	Northumbria University	Newcastle, England	England	Engineering	15-03-2023
43	Research	International	Effitech Limited	10 Glamis Close, Frimley, Camberley, England	England	Engineering	11-04-2023
44	Research	International	Sawie	10 Penrithway, Aylesbury, England	England	Engineering	11-04-2023
45	Research	International	Bahauddin Zakariya University	Multan	England	Engineering	11-04-2023
46	Research	International	E-Works	107 Cheapside, London, England	England	Engineering	11-04-2023
47	Research	International	Majmaah University	Al-Majmaah 11952, Saudi Arabia	Saudi Arabia	Engineering	04-12-2022
48	Research	International	University of Ha'il	Ha'il 55476, Saudi Arabia	Saudi Arabia	Engineering	04-12-2022
49	Research	National	Gharib Wal cement Ltd. Jhelum	Jhelum	Pakistan	Cement Production	10-02-2023
50	Research	National	University of Poonch Rawalakot	Rawalakot AJK	Pakistan	Education	14-06-2023
51	Academic	National	National Development Complex	H-11/4 Islamabad, Pakistan	Pakistan	defence and aerospace contractor	29-11-19
52	Academic	National	Bank of Azad Jammu and Kashmir (BAJK)	Mirpur AJ&K	Pakistan	Banking and Finance	29-11-19
53	Academic	National	Jazz, Pakistan	Digital Head Quarter 2 Building, Kohistan Road, Sector F-8, Markaz Islamabad, Pakistan	Pakistan	Telecommunications	29-11-19
54	Academic	National	United Bank Limited (UBL)	Mirpur AJ&K	Pakistan	Banking and Finance	29-11-19
55	Education	National	Mangla Dam Housing Authority	Mangla, Mirpur AJK	Pakistan	Housing	15-11-19



Joint Research Projects Approved

SN	Name of Joint Research Grant & Funding Agency	National or International	Name of PI with Designation and Department	Name of Co-PI with Designation, Department & University/Industry	Title of Research Proposal
1	Mobility Grant by British Council	International	Prof. Nadeem Ahmed Sheikh, Dean/Professor, Dean Faculty of Engineering & Technology, International Islamic University	Dr. Zafar Ali Khan, Assistant Professor, Electrical Engineering	Going Global Partnership PAK-UK Education Gateway Mobility Partnership for Faculty
2	Mobility Grant by British Council	International	Prof. Nadeem Ahmed Sheikh, Dean/Professor, Dean Faculty of Engineering & Technology, International Islamic University	Dr. Tasleem Kausar, Assistant Professor, Software Engineering	Going Global Partnership PAK-UK Education Gateway Mobility Partnership for Faculty
3	Mobility Grant by British Council	International	Prof. Nadeem Ahmed Sheikh, Dean/Professor, Dean Faculty of Engineering & Technology, International Islamic University	Dr. Saeed Ahmed, Assistant Professor, Electrical Engineering	Going Global Partnership PAK-UK Education Gateway Mobility Partnership for Faculty
4	Energy Catalyst Round 9 – Early Stage by Innovate UK	International	Muhammad Imran Aston University The Aston Triangle Birmingham B4 7ET	Dr. Zafar Ali Khan, Assistant Professor, Electrical Engineering	Hybrid Energy Powered Smart Irrigation System for Smallholder Farmers
5	Majmaah University, Ministry of Education, KSA	International	Abdullah Altamimi, Majmaah University, Al-Majmaah, Saudi Arabia	Dr. Zafar Ali Khan, Assistant Professor, Electrical Engineering	Development of conceptual roadmap for renewables for smart solar dominated smart homes, smart buildings and smart microgrids
6	Pakistan Innovation Fund	National	Dr. Sohaib Manzoor, Lecturer, Electrical Engineering	Dr. Imran Aziz, Lecturer, Electrical Engineering	Towards reducing handoff times in next-generation wireless networks



Volume of R&D secured

The researchers of Mirpur University of Science and Technology (MUST) have been successful in achieving the research grants under different research grants programs. The details of the Volume of R&D Funding Secured during the year is as follows:

S. No.	GRANT	Project Title	PI NAME	DEPARTMENT	Amount
1	Pakistan Innovation Fund	Towards reducing handoff times in next-generation wireless networks	Dr. Sohaib Manzoor, Lecturer	Electrical Engineering	PKR 10,000,000
2	Engineering and applied science research center, Majmaah University, Ministry of Education, KSA	Development of conceptual roadmap for renewables for smart solar dominated smart homes, smart buildings and smart microgrids	Dr. Zafar Ali Khan, Assistant Professor		PKR 4,582,920
3	Mobility Grant by British Council	Going Global Partnership PAK-UK Education Gateway Mobility Partnership For Faculty			PKR 9,094,800
4	Energy Catalyst Round 9 – Early Stage by Innovate UK	Hybrid Energy-Powered Smart Irrigation System for Smallholder Farmers			PKR 2,880,826
5	P & D Project	Establishment of the National Center in Robotics and Automation (NCRA)	Prof. Dr. Faisal Riaz, Professor	CS&IT	PKR 3,652,000
6	MUST Small Research Grant	10 projects awarded amounting to Rs. 250000 per project.			PKR 2,500,000
7	PEC FYP Projects	03 PEC FYP projects were awarded amounting to Rs. 600,000.			PKR 600,000
8	BIC R&D Funding	HEC has granted amounting to Rs. 23,810,000 for the establishment of BIC at MUST.			PKR 23,810,000
9	Ignite NGIRI Grants	07 projects awarded by Ignite amount Rs. 381850 total amounts			PKR 381,850
TOTAL					PKR 57,502,396



Priority Research Areas

A. Sustainable Development Goals (SDGs)

The Sustainable Development Goals (SDGs), also known as the Global Goals, are a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity. These 17 Goals build on the Millennium Development Goals (MDGs), while including new areas such as climate change, economic inequality, innovation, sustainable consumption, peace and justice, among other priorities. The goals are interconnected – often the key to success on one will involve tackling issues more commonly associated with another.

At the Sustainable Development Summit on 25 September 2015, UN Member States adopted the 2030 Agenda for Sustainable Development, which includes a set of 17 Sustainable Development Goals (SDGs) to end poverty, fight inequality and injustice, and tackle climate change by 2030. These goals are listed as follows:

GOAL 1: No Poverty (Priority – II)

GOAL 2: Zero Hunger (Priority – I)

GOAL 3: Good Health and Well-being (Priority – I)

GOAL 4: Quality Education (Priority – I)

GOAL 5: Gender Equality (Priority – II)

GOAL 6: Clean Water and Sanitation (Priority – I)

GOAL 7: Affordable and Clean Energy (Priority – I)

GOAL 8: Decent Work and Economic Growth (Priority – I)

GOAL 9: Industry, Innovation and Infrastructure (Priority – II)

GOAL 10: Reduced Inequality (Priority – II)

GOAL 11: Sustainable Cities and Communities (Priority – II)

GOAL 12: Responsible Consumption and Production (Priority – III)

GOAL 13: Climate Action (Priority – III)

GOAL 14: Life Below Water (Priority – III)

GOAL 15: Life on Land (Priority – III)

GOAL 16: Peace and Justice Strong Institutions (Priority – I)

GOAL 17: Partnerships to Achieve the Goal (Priority – II)



For the priority research areas (Highlighted by SDGs by the UN) of this call, please refer to the topics given below:

National / Global Priority Research Areas

- » Waste management and creative recycling methods (SDG-06)
 - Biotechnological waste-water treatment
 - Fabrication of toxic element detection sensors for pollution control
 - Development of electrodes for heavy metal detection)
- » Climate Change and Environment (SDG-13)
 - Protection of AJK forests using AI system control
 - Plantation of early fast-growing trees and plants)
- » Emerging advanced technologies for solving local problems to create societal/ socio-economic impact (SDG-02, SDG-03, SDG-06, SDG-08, SDG-09, SDG-12, SDG-15)
 - Nanotechnology / Nano-sensors, Electrical Vehicles
 - Self-Driving Vehicles
 - Opto-electronic-based industrial solutions.
 - Energy Storage Technologies
 - IT, IoT, and AI-based solutions
- » Smart Patient Monitoring Systems, Telecom and Blockchain applications)
- » Agricultural Productivity and Food Security (SDG-02, SDG-12)
- » Water Management and Sustainability (SDG-06)
- » Sustainable Energy and Renewable Energy (SDG-07)
- » Animal Health and Production (SDG-03, SDG-12)
- » Immunology, Diagnostics & Vaccine Technology (SDG-03)
- » Transport & smart Traffic management and Smart cities and Architecture (SDG-09, SDG-11)
- » Bioinformatics & Big-data Analytics (SDG-03, SDG-15)
- » Quality Education (SDG-04)
- » Advanced Materials and Manufacturing (SDG-04)
- » Mathematical Methods Applied to Economy and SDGs (SDG-02, SDG-12)

Other ORIC Events During the year 2022-23

A Five-Day USAID's HESSA Training on "Strengthening ORIC at HEIs- Track I"

Prof. Dr. Faisal Riaz, Director ORIC and Dr. Tehmina Shehryar participated in the five-day training session, sponsored by the United States Agency for International Development (USAID) Pakistan, Islamabad from 29th May – 2nd June 2023 in Professional Development Center, NUST, Islamabad.

The program aims to strengthen the research, innovation, and commercialization enterprise of the HESSA partner HEIs in Pakistan with new strategic approaches, programmatic management tools, faculty development, and coordination strategies and techniques. The core objectives are to strengthen ORICs and faculty to:

- Enhance capacity to administer diverse research and externally sponsored activities portfolios that meet required compliance objectives.
- Stimulate entrepreneurship, manage innovation, develop partnerships, and promote technology transfer.
- Foster collaborative research networks that engage partners to develop implementable



solutions helping local communities achieve the sustainable development goals (e.g., water security, food security, health).

- Build capacity of faculty and research administrators to connect research to practical solutions, work across disciplines and institutions, manage research projects and teams, and co-produce impact with stakeholders.
- Maximize benefit of research infrastructure including labs and facilities, computational resources, and technology parks.

HESSA

Higher Education System
Strengthening Activity



**Strengthening Research, Innovation,
and Commercialization at HESSA
HEIs – Phase I Implementation**

SRG Awardees meeting with the Vice Chancellor along with ORIC Staff

A meeting of the Vice Chancellor, the ORIC office staff, and the SRG grant awardees was held in the Conference room of MUST Secretariat Jarikas. The following are the proceedings of the meeting:

- The meeting started with the recitation of the Holy Quran by Prof. Dr. Faisal Riaz.
- The worthy Vice Chancellor welcomed all the researchers and articulated the purpose of the meeting.
- The Director ORIC (Prof. Dr. Faisal Riaz) gave the presentation in which he explained the impact of the Small Research Grant and the current audit status of all projects from 2019-

20.

- A detailed researchers' worksheet is also presented to show the progress shown by each grant.
- The worthy Vice Chancellor appreciated the ORIC work and asked to bridge the gaps to get a higher category for HEC Scorecard.
- Later the worthy Vice Chancellor asked the researchers one by one to explain their work.
- Prof. Dr. Answer Khitab presented his work and later other researchers also explained their work that has been done by getting this grant.
- The worthy Vice Chancellor has asked the Director ORIC to make a schedule in consultation with the VC office to visit all the departments to see the progress of these projects physically.
- The worthy Vice Chancellor asked the researchers and the chairmen departments to motivate faculty members to submit more and more proposals for this funding as well as for all other national and international funding opportunities shared by the ORIC office.

The worthy Vice Chancellor has shown keen interest to strengthen the proposal evaluation process to filter the best projects in the future to enhance entrepreneurship and foster commercialization and produce quality research papers.

Venue: VC Office, Conference Hall, Jari Kass Campus, MUST

Date: 25th May 2023



A One Day Webinar on Solar and Wind Power

Engr. Dr. Sohaib Manzoor, Manager Innovation and Commercialization participated in the one-day webinar session, sponsored by the Pakistan Engineering Council on 19th May 2023.

Training was aimed to provide in-depth knowledge regarding how to articulate continuous professional development on Solar and Wind Power Potential in Pakistan.

Venue: Online

Date: 19th May 2023

ADMINISTRATIVE AND ALLIED OFFICES



Work Shop On Technical Report Writing by SES

The Software Engineering Society organized a workshop on technical report writing at the Department of Software Engineering on 16-02-2023. Dr. Nouman, Chairman Department of Software Engineering was the resource person. Students of Software Engineering participated in the workshop.



A Four-Day USAID's HESSA Student Leadership & Programming Training

Engr. Dr. Sohaib Manzoor, Manager Innovation and Commercialization participated in the four-day training session, sponsored by the United States Agency for International Development (USAID) Pakistan, Islamabad from January 24 - January 27 2023 in Pearl Continental Hotel, Rawalpindi.

Training was aimed to provide in-depth knowledge regarding how to articulate Student Leadership and Programming for institutional strengthen. The detailed module included the importance of giving, basic principles of student societies, steps and strategies involved in student programming, importance of leadership aspects and ways to engage different level students. The training also included spontaneous exercises and case studies in context to different institutions, societies, and institution size of

Staff, Faculty and most importantly Students. The session also includes the pre and post session interviews of partner universities.

Work Shop On Final Year Project Guidelines by SES

The Software Engineering Society organized a seminar on FYP GUIDELINES in collaboration with Muslim Hands Mirpur on 31 January 2023. Muhammad Suleman, Executive Manager, Muslim Hands Mirpur was the resource person of this workshop. Students of Software Engineering participated in the workshop.



BIC Training Workshop at Air University, Islamabad

The Higher Education Commission (HEC) under Higher Education Development in Pakistan (HEDP) project organized a two days training for Business Incubation Centres in Islamabad.

ADMINISTRATIVE AND ALLIED OFFICES



The training was held in collaboration with Invest2Innovate (i2i), a leading organization that supports startup communities. It was attended by Directors/Managers of 18 Business Incubation Centers (BICs) from higher education institutions of Islamabad, Rawalpindi, Peshawar, and AJK. Dr. Ghulam Qadar Chaudhary, Director BIC, and Engr. Irfan Jamshed, Manager, Research Management, ORIC has represented Mirpur University of Science and Technology (MUST), Mirpur AJK in the training session.

HEC in the past has organized multiple capacity-building programs for the BICs staff. However, this training was focused on providing complete hand-holding to startups from induction and incubation to formal graduation. The training plan has been designed in accordance with the BICs Needs Assessment held in a one-on-one session with respective BICs recently. The training covered A to Z of program design for executing a successful incubation program including research and rapid product prototyping, road mapping the startup's journey, business development, revenue generation, building a financial narrative, and investment readiness. In her opening remarks, Director (R&D) HEC Ms. Noshaba Awais offered her full support to the BIC teams. During the training, the participants were briefed about their significant roles in the Innovator Seed Fund (ISF) grant. ISF is a unique national-level seed-funding program where HEC, along with its partner BICs, is implementing this activity to provide a combination of capacity plus seed-funding support to innovative startups in a blended format. The grant winners will receive up to \$35,000 in seed funding along with technical support from BICs.

The participants appreciated the efforts of the HEC team and assured their firm support to resolve any challenges faced by successful ISF grantees and future incubates in their upcoming entrepreneurship journey. Prof. Dr. Mehmood-ul-Hassan Butt, Program coordinator, HEDP, in his closing remarks appreciated the efforts of trainers, BIC

Directors, and the HEC organizing team. He added that innovative research in the universities is the only way forward for Pakistan.

Venue: BIC, Air University, Islamabad

Date: 23-24 January 2023



ORIC MUST Scores Raises 32% in 2022

Striving to organize and support quality research, innovation and commercialization activities, the Higher Education Commission Pakistan (HEC) recognizes Offices of Research, Innovation & Commercialization (ORICs) established at universities to support all research-associated activities from the development of research proposals to commercialization of research. Up till June 30, 2022, HEC has recognized 77 ORICs across public and private universities in Pakistan. The HEC measures the performance of all recognized ORICs through a 'Self-Assessment Scorecard' on an annual basis. For the FY 2021-22, HEC-recognized ORICs were asked to furnish their performance on a scorecard having the Key Progress Indicators under the following major aspects:



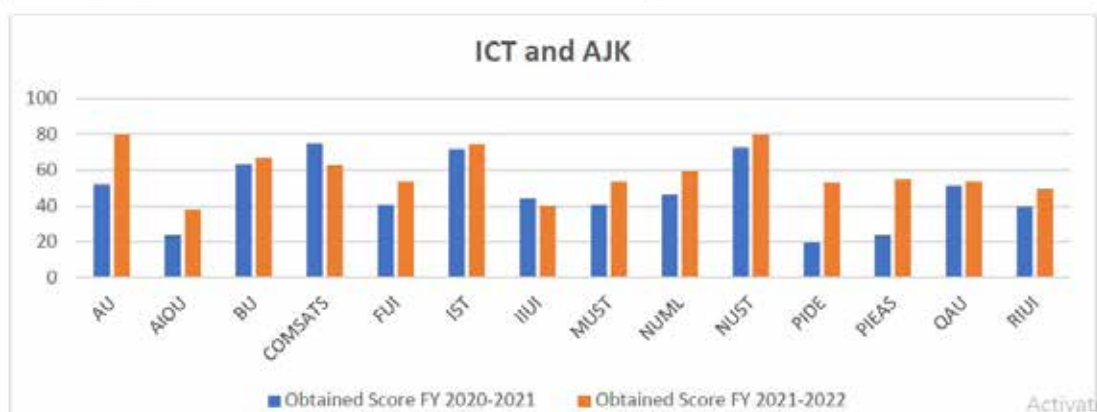
Sr. No.	Key Performance Indicator	Score Assigned
A	Human Resource & Operations	10
B	Research Excellence	45
C	Innovation & Commercialization	30
D	Sustainability & Capacity Building	15
Total		100

36	Mirpur University of Science and Technology (MUST), Mirpur	Category	Y
		Score Obtained	53.5
A.	Human Resource and Operations	10	100%
B.	Research Excellence	26	58%
C.	Innovation and Commercialization	7.5	25%
D.	Sustainability and Capacity Building	10	67%

ORIC MU: **Scores Comparison for FY 2020-2021 and FY 2021-2022:**

53.5 for th

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Manchester Met. University, UK Researcher joins Car Lab for 2 weeks

Dr. Umar Raza from Manchester Metropolitan University (MMU), UK has joined Control, Automotive and Robotics Lab-NCRA, CS&IT, MUST for two weeks as a visiting research fellow. His visit is a complement to the MMU, UK visit of Prof. Dr. Faisal Riaz (Director ORIC) as he signed an MoU with MMU and to extend the collaboration under that MoU, Dr. Umar Raza is here at MUST to initiate a research project "Sustainable Agriculture Using Autonomous Robotics".

Dr. Umar Raza is currently working as a Senior Lecturer in Industrial IoT, Computer and Networking Technology at Manchester Metropolitan University and is the Manager/Coordinator of the Cisco Network Academy in the Department of Engineering at Manchester Metropolitan University. Prof. Dr. Faisal Riaz, Director ORIC has welcomed him in MUST with his team and briefed him about the progress; and current and upcoming projects of MUST.

Venue: ORIC Directorate, Health Sciences Block, MUST, Mirpur AJK
Date: 10th January 2023



Senior Expert from Aston Martin, England visited ORIC MUST

Engr. Abdul Qayyum, Senior Expert Architecture and Networks, Aston Martin (a renowned Automotive Company), England visited ORIC MUST along with the faculty members from the Department of Electrical Engineering including Dr. Anwar ul Haq, Assist. Professor EED, Dr. Zafar Ali Khan, Assist. Professor EED and Dr. Sohaib Manzoor, Lecturer EED.

Prof. Dr. Faisal Riaz, Director ORIC welcomed him along with Engr. Irfan Jamshed, Manager Research Management at his office and gave a detailed briefing on the so far MUST progress; MUST's current and future projects; and probable aspects of collaborated future projects with Aston Martin, England.

Later Prof. Dr. Naeem Iqbal Ratyal, Chairman Department of Electrical Engineering and Dr. Sajjad Manzoor, Chairman Department of Computer Systems Engineering joined at lunch.

Venue: NTC conference room, CS&IT building, MUST
Date: 2nd January 2023

HEC Team Visit BIC MUST for Final Evaluation

HEC evaluation team led by Mr. Hazrat Bilal (DG R&D HEC), Mr. Waheed Khizar (Program Focal Person), Engr. Ahsan Mirza (Independent Evaluation Member) and Mr. Abid Latif (R&D HEC) visited Business Incubation Centre at ORIC in Mirpur University of Science and Technology (MUST), Mirpur AJK for its final evaluation. The team was received by Prof. Dr. Faisal Riaz (Director ORIC), Engr. Dr. Ghulam Qadar Chaudhary (Manager, Innovation and Commercialization) and Engr. Irfan Jamshed (Manager, Research Management). The HEC team was briefed about all aspects of BIC and ORIC by a detailed presentation and later the team visited the BIC and inspected all the



startups incubated at BIC. The team was extremely gratified with the ideas and potential of these startups and they insisted to work tediously to commercialize these startups. Later the worthy Vice Chancellor, Prof. Dr. Muhammad Younus Javed, SI(M) joined the meeting that was closed on a lunch. The Vice-Chancellor welcomed the HEC team and appreciated the work done by ORIC.

Venue: ORIC Directorate, Health Sciences Block, MUST, Mirpur AJK
Date: 22nd December 2022



TDF Awareness Seminar at MUST

TDF awareness seminar was conducted at Mirpur University of Science and Technology, MUST, Mirpur AJ&K. Director ORIC, Prof. Dr. Faisal Riaz along with faculty members from various departments of MUST participated. Faculty members were encouraged to avail this opportunity and to mobilize academicians & local Industrialists for collaborative proposals under TDF. The 4th Call for Proposals of Technology Development Fund is open with a proposal submission deadline of 20th December 2022. (hec.gov.pk/site/tdf)

Venue: NTC conference room, CS&IT building, MUST

Date: 12th December 2022



ADMINISTRATIVE AND ALLIED OFFICES



Prof. Dr. Faisal Riaz from MUST won Pasha IT Award

Under the flag of Pakistan Software House Association (PASHA) ICT, this year, four policy roundtables were held in the key areas of #Skill Development & Training, #Fintech, Brand #Pakistan, and Animation, Graphics & #Gaming in Lahore. Bringing together key stakeholders and some of the best minds from across the industry, speakers and participants worked together to develop a cohesive set of principles to inform policy actions and set a united direction for the year to come. Prof. Dr. Faisal Riaz from Mirpur University of Science and Technology (MUST), Mirpur has won the Award for Research and Development Category from Ministry of Information Technology for his contribution in the field of Autonomous Vehicles and he has been included in the think tank to set the future IT direction in the country. It has certainly been a commendable achievement. Mirpur University of Science and Technology for being emerged as first university in AJ&K having such prestigious award.

Venue: PASHA ICT, Lahore

Date: 2nd November 2022



ORIC MUST Met President, Mirpur Chamber of Commerce, Mirpur

A meeting was held between ORIC-MUST and President, Mirpur Chamber of Commerce Mirpur, Mr. Sabir Hussain Shah and the Senior Vice President of Mirpur Chamber of Commerce Mirpur, Mr. Chaudhary Kashif Nazir to enhance the industrial collaboration between MUST and local Industry. Prof. Dr. Faisal Riaz, Director ORIC, Dr. Ghulam Qadir, Manager Innovation and commercialization, and Engr. Irfan Jamshed, Manager, Research Management represented ORIC Mirpur University of Science and Technology MUST. Director ORIC MUST congratulated the newly elected team and briefed them about the vision of ORIC. He also discussed the way forward to benefit MUST faculty, students, and the local industry. It was decided that a meeting will be arranged between ORIC MUST and the local industrialists to understand the technical issues of local industries that MUST Researchers can solve and accommodate MUST students for internships.

Venue: Mirpur Chamber of Commerce office, Mirpur

Date: 28th October 2022





Follow-up visit of National Institute of Hydropower Training Mangla WAPDA by Team ORIC

Team ORIC - MUST visit the National Institute of Hydropower Training Mangla WAPDA at Mangla on Thursday, September 29, 2022. The visit was a part of the implementation process of the MoU signed between both institutes last year. The MUST Faculty will help the institute to function state of the art Hydropower labs meanwhile MUST faculty members as well as students will get the benefit of training and research using those labs. Engr. Dr. Ghulam Qadar, Manager Innovation and Commercialisation, Engr. Irfan Jamshed, Manager Research Management and Engr. Imdad Hussain, Lecturer, Mechanical Engineering Department were part of the team. It was decided during the visit that as part of the agreement, MUST will provide consultancy services to the Institute as well as Mangla Powerhouse,

Venue: National Institute of Hydropower Training Mangla WAPDA, Mangla

Date: 29th September 2022



Awardees 2021-22 at ORIC

All the respected Principal Investigators of Small Research Grant 2021-22 were invited for a follow-up session on Wednesday, September 28, 2022, at the Director ORIC office, Health Sciences block at 10 am. The purpose of the session was to share the progress and issues of the projects granted to you by ORIC.

Venue: ORIC Offices, Health Sciences building, MUST

Date: 28th September 2022

ORIC OFFICE OF RESEARCH INNOVATION & COMMERCIALIZATION
MIRPUR UNIVERSITY OF SCIENCE & TECHNOLOGY (MUST)

Small Research Grant (SRG)

CALL FOR RESEARCH PROPOSALS

ORIC MUST invites the faculty members to submit research proposals focused on socio-economic issues and local industrial problems in line with the Sustainable Development Goals (SDGs). The proposals submitted under this call are expected to strengthen the research capacity and to contribute to the research mission of MUST.

Rs. 250,000

Local Industries Problems

- Biodegradable Plants to Save Energy
- Industrial Automation
- Natural Gas Pressure Regulators
- Waste Management

National / Global Priority Research Areas

- Agricultural Productivity and Food Security (SDG Goal-1, 2, 9 and 12)
- Fire resistant Plant/Herbs (SDG Goals-13 and 15)
- Water Management, Clean water and Sanitation (SDG Goals-6 and 14)
- Sustainable and Renewable Energy (SDG Goal-7)
- Building mathematical models for energy forecasting, transportation and sustainable health systems (SDG Goals-7, 9 and 11)
- Climate Change and Environment (SDG Goal-13)
- Animal Health and Production (SDG Goals-3 and 12)
- Immunology, Diagnostics & Vaccine Technology (SDG Goal-3)
- Non-Communicable Diseases, Population Health and Genomics (SDG Goal-3)
- Bio-informatics (SDG Goals-3 and 15)
- Biotechnology/Bioengineering (SDG Goals-3 and 15)
- Novel Business Models (SDG Goal-8)
- Advanced Materials and Manufacturing (SDG Goal-9)
- 3D Printing Machines (SDG Goal-9)
- Gas flow regulators for domestic sector (SDG Goal 8)
- Android Apps, Mataverse (AR, VR, Blockchain, Artificial Intelligence, Robotics, Business Webs, Smart Cities), Internet of Things (IoT) and Intelligent Vehicles (SDG Goals-9 and 11)
- Digital industry and digital life (SDG Goals-9 and 13)
- The relationship between international affairs and the problems of racial and ethnic minorities (SDG Goals-10 and 16)
- Quality Education (SDG Goal-4)
- Gender Equality (SDG Goal-5)
- Affordable and clean energy (SDG Goal-7)
- Peace and justice strong institutions (SDG Goal-16)

Eligibility Criteria:

- The Principal Investigator must be a university faculty member working on regular or contract basis (contract duration must not be less than project duration).
- All the researchers are supposed to follow the given procedure.
- 1. The applicants need to submit their research project proposals in the prescribed format provided by the university (Available on University Website).
- 2. The last date for submission of the proposal is 15th February 2022 and no proposal will be considered after the due date.
- 3. ORIC will initially scrutinize the proposals and then send them to the Internal Research Committee/Ethical IRB.
- 4. The researchers will present their proposals to the Internal Review Committee. The successful proposals will be granted funding under SRG.

Last Date:
15 FEBRUARY 2022

Proposal Format is Available at MUST's website download section
www.must.edu.pk

For Further Information Contact ORIC:
2nd Floor Health Sciences Building,
Allama Iqbal Road, Mirpur
Tel: (92) 9927-90114
Email: oric@must.edu.pk

ADMINISTRATIVE AND ALLIED OFFICES



STUDENTS ASSISTANCE CENTRE (SAC)

Summary of Expenditures FY-2022-23

Sr.	Name of Scholarship (Rs. Million)	Expenditures in 2022-23
1	MUST Merit-Based	5.409
2	HEC-Need Based Scholarship	18.345
3	MUST-Need Based	0.900
4	Benazir Undergraduate Scholarship	52.515
5	Student's Guardian Insurance Scheme	1.988
6	HBL Foundation	1.456
7	Punjab Educational Endowment Fund (PEEF)	13.175
8	Pak-Scottish Scholarship	2.989
9	Laraib Energy Ltd.	0.490
10	IEP-SAC	0.200
11	Pakistan Engineering Congress	0.400
Grand Total		97.867

1. Award of MUST-Merit Based Scholarship

Top 5% students of each semester / class is being awarded this scholarship @ Rs. 6000/- per semester. An amount of Rs. 5.409 Million has been award to the 942 University students in the FY-2022-23. The funds of this scholarship were managed by the University.

2. 11th Award of HEC-Need Based Scholarship to Undergraduate Students (intake-2021)

Applications were invited from undergraduate students admitted in fall 2021 for the award of scholarship for the Academic Session 2021-25/26 through an advertisement during December 2021. Around 290-applications were received for the purpose. For this purpose, initially scrutiny and evaluation was made by SAC and relevant program coordinator of HEC. The 16th meeting of the "Institutional Scholarship Award Committee" (ISAC) was held on 15-02-2023. Going through the details of each student, the committee recommended 50 students for the grant of HEC-Need Based Scholarship. The scholarship covers waiver of tuition fee and grant of an amount of Rs. 6000/- per month to the concerned awardees.

The HEC-Need Based Scholarship was announced for the year 2022 and the award proceedings is under process. The meeting of "Institutional Scholarship Award Committee" (ISAC) is going to be held in the month of December 2023.

An amount of 18.345 million is being disbursed to the previous awardees of HEC Need Based Scholarship awardees.



3. 8th Award of MUST-Need Based Scholarship to Undergraduate Students (Intake-2021)

The students who applied for HEC Need Based Scholarships and could not get selected due to limited number of seats under the scheme have been considered for award of MUST Need Based Scholarships. Hence, the "Institutional Scholarship Award Committee" (ISAC) has also recommended 50 (+03 waiting) students for award of MUST Need Based Scholarships from the waiting list of HEC Need Based Scholarships. The component of the scholarship is grant of an amount of Rs. 9,000/- (Nine Thousand Only) per semester (18,000/- for the year) to the concerned awardees.

4. Benazir Undergraduate Scholarship Program

Benazir Undergraduate Scholarship Program for new intake of year 2021. The last date for submission of online application at HEC portal was 31.12.2021. From fresh students of MUST, a total 1076-students have applied for this scheme. The initial scrutiny of applications



was made at SAC office level. The meeting of the award committee was held on April 6th-8th, 2022 for selection of the most deserving students. HEC selected 68 students. This scholarship scheme covers waiver of tuition fee and an amount of Rs. 40,000/- (Forty thousand) stipend per annum.

An amount of 52.515 million is being disbursed to the new awardees of Phase-III and previous awardees of Phase-I and II on account of Stipend and Tuition Fee of 2-semesters.

5. MUST Students' Guardian Insurance

MUST Students' Guardian Insurance scholarship has been awarded to those students whose father/guardian, unfortunately passes away during the university studies. The component of scholarship is waiver of tuition fee and payment of an amount of Rs. 5000/- per month as stipend. During this period 15 new cases have been approved and granted this scholarship. An amount of 1.988 Million has been disbursed to the 30 previous awardees on account of this scholarship.

6. 7th Award of HBL Foundation Scholarship Scheme

The meeting of the "HBL-Foundation Scholarship Management Committee" (HBL-FSMC) was held on 28th October, 2022 for 7th award of the Habib Bank Ltd. Foundation Scholarship. The committee selected the deserving students on the basis of available information and documentary proofs. However, where required students were telephonically contacted for ensuring the fairness. After detailed deliberation, the committee recommended 68-students for disbursement of an amount of Rs. 1.129 (Million) for the year 2022. Further, it was desired that the principal amount pledged

by HBL-Foundation for this scholarship scheme should be increased. In this regard, a letter has been forwarded by the worthy Vice Chancellor MUST to president HBL for increasing the principal amount from Rs. 20.00(M) to Rs. 50.00(M).

7. Pak Scottish Scholarship

Scotland Pakistan Scholarships for Young Women and Girls 2022-23 and British Council Scholarship for Women in STEM have been approved. A total 18-students were selected for the award of Pakistan Scottish Scholarship for the 2022-23. An amount of 2.989 Million was approved for the awardees and an amount of 1,817,120/- was disbursed in the month of June 2023.



8. Laraib Energy Scholarship

The HUBCO Laraib Energy Ltd. has pledged to grant an amount of Rs. 490,000/- (Four Hundred Ninety Thousand only) for 4th award under this scholarship scheme. An advertisement was placed for award of "Laraib Energy Scholarship" for the low income students of Faculty of Engineering and Technology. The last date for submission of application under this scholarship scheme was 07-10-2022. The meeting of Scholarship Management Committee was held on 24-11-2022 for award of this scholarship. 50% quota was reserved for the female students of the faculty. A total of 16-students were selected for the award of Laraib Energy Scholarship 2022-23.

9. Institute of Engineers Pakistan Saudi Arabian Centre (IEP-SAC)

The 4rd award of Institute of Engineers Pa-



kistan Saudi Arabian Centre" (IEP-Sac) for the year 2022-23 was granted to 08-students. An advertisement was placed for award of "Institute of Engineers Pakistan Saudi Arabian Centre" (IEP-Sac) for the low income students of Faculty of Engineering and Technology. 35-applications were received in response of this advertisement. After initial scrutiny and evaluation of forms, 08-students were shortlisted. IEP-SAC authorities have approved and released an amount of Rs. 200,000/-.

10. Pakistan Engineering Congress Need-cum-Merit Scholarship

Pakistan Engineering Congress finalized 04 students for the award of subject scholarship. PEC authorities have approved and release amount of Rs. 400,000/-.

11. Usage of Social Media for Scholarship Information

In today's world, the most effective way to share information among stake holders is considered to be social media. Realizing the need to timely disburse the accurate information pertaining to scholarships to the students of the University, SAC has established following ways (including establishment of its own website) for communicating all such information;

1. www.must.edu.pk
2. www.sac.must.edu.pk
3. Fb: MUST-Students Assistance Center
4. WhatSapp: Scholarship Activities (For HoDs/ Focal Persons)



DIRECTORATE OF PLANNING & DEVELOPMENT

Introduction

The role of Directorate of Planning & Development is to assess the current and future needs for University administrative and academic infrastructure and prepare plans accordingly. The Directorate of Planning & Development of Mirpur University of Science and Technology (MUST), Mirpur works under supervision, guidance and leadership of the Vice Chancellor, MUST and the University's statutory bodies. The Directorate of Planning & Development is headed by the Director (P&D); who is supported by Deputy Director and other staff.

Facilities

- Preparation of sound projects in areas and fields lacking adequate facilities.
- Coordinating and organizing research and development surveys for decision making.
- Assisting in defining the university's vision, and undertaking strategic planning.
- Coordinate in assessing the material, capital and human resources of the university and formulating proposals of augmenting such resources.
- Facilitating capacity building of departments of MUST involved in development.
- Any other duties assigned by the Vice Chancellor.

Plans

To provide State of the Art technical and construction work for University and provide best facilities for academic, research and innovations.

Ongoing Schemes

1. Project titled "Completion of Faculty and Staff Residences at Jari Kas Campus, Mirpur University of Science & Technology (MUST), Mirpur" costing Rs. 46.216 million.
2. Project titled "Installation of Security/ Streetlights & Construction of Search Tower and Playground at Jari Kas Campus Mirpur University of Science & Technology (MUST), Mirpur" costing Rs. 27.293 million.
3. The scheme "Establishment of MUST, Campus at Bhimber, AJ&K" costing Rs. 2673.482 million has been forwarded to the Higher Education Commission (HEC) for further processing.

New Schemes

1. "Strengthening of New Campus at Jari Kas, MUST, Mirpur" costing Rs. 1601-021 million.
2. "Construction of Search Towers at Jari Kas Campus, Mirpur University of Science and Technology (MUST), Mirpur" costing Rs.1486.372 million
3. Project entitled "Development of Advance Geotechnical Engineering Laboratory at new Campus, Mirpur University of Science and Technology (MUST) Mirpur, AJ&K" amounting Rs. 99.908 million has been forwarded to the HEC for further process.
4. Establishment of MUST Campus at Pallandri AJ&K:

The Honorable President of Azad Jammu & Kashmir/ Chancellor of the Mirpur University of Science &



Technology (MUST) has directed this University to open its Campus at Pallandri AJ&K. The University has established its Campus at Pallandri, AJ&K to implement the direction of the Honorable President. At present the Campus has been established in the buildings on the Khan Ahmad Khan Post Graduate College Pallandri for Boys. Now initially BS program in the Tourism & Hospitality, Forestry and Education has been started. Later, the campus will be established of the site allocated by the GOAJ&K. The AJK Government has also notified for the establishment of new campus at Pallandri. For this purpose, GOAJ&K has allocated 523 Kanal and 09 Marla land for the establishment of the MUST campus. The following departments will also be introduced in the MUST Campus Pallandri in the existing buildings of the Khan Ahmed Khan Post Graduate College Pallandri for Boys transferred by GOAJ&K.

1. Department of Tourism & Hospitality.
2. Department of Forestry & Natural Resources.
3. Department of Education.
4. Department of Physics.
5. Department of International Relations.

For this purpose, the estimates for the repair/renovation of existing buildings have been approved and the classes have been started during session 2018. The PC-1 titled "Establishment of MUST Campus at Pallandri, AJ&K" costing Rs. 1936.793 million has been submitted to the HEC for further process. The Departmental Development

Working Party (DDWP) in its meeting held on 16-04-2020 approved the Project in principle subject to the rationalization of cost. Accordingly the amended PC-1 with rationalized cost of Rs. 1827.315 million has been forwarded to the Higher Education Commission (HEC) for further process. Under this project the following facilities will be established in the MUST, Campus Pallandri.

- i. Construction of the academic/administrative facilities 80852 Sq.ft. This will include 16 classrooms for 800 students for undergraduate programs, 08 classrooms for 160 students of M.S program, 05 lecture theaters for 500 students, 14 Teaching labs, 02 Computer labs each for 100 students, 02 Seminar Rooms and 03 Committee Rooms for each department and Faculty offices and Administrative staff offices.
- ii. Construction of common facilities for students with total covered area of 12150 Sq.ft. This include main library 5000 Sq.ft., medical center, students service center.
- iii. Cafeteria for 400 students & faculty members 13041 Sq.ft
- iv. Mosque for 400 Namazies 6734 Sq.ft
- v. Construction of 240 students hostels with a capacity of 120 students each and covered area 50112 Sq.ft.
- vi. Faculty Hostel for 40 faculty 15725 Sq.ft
- vii. External development Roads, Electricity, Water supply and Land development etc.
- viii. A boundary wall across the land of the proposed site of the campus.
- ix. Provision of lab equipment, chemicals and consumables, Furniture and fixture, etc.
- x. Provision of 09 project executing staff for the implementation of the project for a period of 03 years.



- xi. 06 Nos. vehicles for students and staff.
- xii. Salary for 21 faculty members and 33 Nos. of administrative staff during the implementation of the project.

- Project Concept Note regarding "Up-gradation of University College of Engineering & Technology Mirpur into Mirpur University of Science & Technology, Mirpur (Phase-II)"

The Higher Education Commission has planned to prepare and consolidate a budget proposal for financial year 2020-21 in line with the Government priorities and vision 2025 to develop the higher education sector. In this regard a proposal/concept note of new development scheme of the Mirpur University of Science & Technology has been demanded by the Higher Education Commission. Accordingly, a Project Concept has forwarded to the HEC wherein extension of existing of Administration Block, Academic Block -111, one student Hostel, Student Service Center, One Advance Research centre, one Bachelor Faculty Hostel and a University Guest House have been proposed at Jarikass for Phase-II of the Project "Up-gradation of University College of Engineering & Technology Mirpur into Mirpur University of Science & Technology, Mirpur". The total covered area of the proposed infrastructure will be 210,318 sq.ft.

The concept paper for phase-II was presented to Ministry of Planning and Development and special initiatives for consideration of Establishment of New Campus at Jari Kas of Mirpur University of

Science & Technology MUST, Mirpur AJK.

Targets Achieved

- » Establishment of Library and Students Service Center, Mirpur University of Science & Technology (MUST), Mirpur
 - PC IV is being prepared for submission to HEC.
- » Up-gradation of University College of Engineering and Technology into Mirpur University of Science & Technology (MUST) Phase-1
 - The Building has been completed and handed over to the university. Presently Civil Engineering and MIT have been shifted to this building.
 - Progress was very slow during last year due to non-payment to contractor and expenditure crossed the PC-I allocation.
 - Road Works: 100 % completed Water Tank: 100 % progress Culverts & Retaining Walls: 70 Pipe Network 100 %.
 - Services of Consultant Continue/ Outstanding Liabilities are already in excess of PC-1 Provision
 - AC-2: First Floor slab: Concrete has been poured at two joints (70%) of the total area).
 - Hostels: Completed and handed over to the Directorate of Estate.
 - The progress of the Contactor has been reached to the Work Order Amount, No further payment can be made till releases from HEC.
 - Residences: Work will be resumed after the payment to contractor.
 - Library & PDC: Have been completed.
 - Hostels: Both the hostels have been completed.

HUMAN RESOURCE MANAGEMENT (HRM)

Human Resource Management Department Organized Seminar on Topic, "HRM Practices in Public Sector Entities"

In line with the kind support and guidance of Dr. Zafar Iqbal, Director MUST Business School, a Seminar was organized by the HRM Department on the topic, "HRM Practices in Public Sector Entities" to create awareness among students about the emerging trends, current practices, and future prospects of HRM in Public Sector. Ms. Tahira Batool In charge HRM department and the faculty members of HRM, organized the Seminar with the coordination and support of Dr. Abid Hussain, Coordinator MUST Bhimber Campus.

Dr. Nasir Iqbal Chaudhry, MS DHQ Hospital Bhimber, Dr. Iqbal Hussain, Ex-District Health Officer Bhimber, Prominent Educationist Khurshid Ahmed Chaudhry, Ex-Lord Mayor Ch. Karamat Ali were the key speakers of the Seminar., Dr. Muhammad Ajaib, Chairman Department of Botany and Dr. Saim Hashmi, Chairman Department of Economics, MUST were in attendance. Students of Human Resource management Department actively participated in the Seminar and learnt immensely by the experiences shared by the honorable guests. Shields were distributed among the guests and faculty members at the end of the Seminar.





ADMINISTRATIVE AND ALLIED OFFICES



QUALITY ENHANCEMENT CELL (QEC)

Mirpur University of Science & Technology (MUST) is committed to providing quality higher education to the youth of the State of Azad Jammu & Kashmir (AJ&K). To ensure this objective, maintenance of high 'quality' standard is the main objective at MUST. These quality standards have been developed and being practiced in MUST to achieve the quality objective. MUST leadership has been committed for quality assurance. On the similar note, the Higher Education Commission (HEC) is also committed to achieve quality standard within Higher Education Institutes. To achieve this common objective of the MUST leadership under the HEC vision, a quality-centric institution Quality Enhancement Cell (QEC) is working in the university since the establishment of the university. At QEC, the quality of the degree programs is ascertained through the set criteria and measurable standards. These standards and criteria are devised by the HEC Pakistan. QEC rigorously pursuing these standards through implementation of the HEC criteria and standards. The university is moving ahead on the path of tremendous progress. In order to establish the self-efficacy and enhance the quality as an embedded feature, self-assessment system is implemented in the university as well as its affiliated institutes. The process is directed at raising the quality of education compatible to the international standards. The processes are devised to ensure the involvement of all the stakeholders including students, teachers and staff, who are committed to achieve excellence and develop the university to the satisfaction of all the stake holders. It has been fully realized by the management that innovation in teaching, research, learning and management is the basic requirement of the modern higher education institutions in a globalized world. In this connection, a well-defined quality assurance in both internal and external quality assurance establishment is in place.

ADMINISTRATIVE AND ALLIED OFFICES

QEC Vision

"Quality Education for Societal and National Development through Innovation, Facilitation and Accountability"

QEC Mission

"To focus on modern trends of globalization in teaching, learning and research for sustainable academic development through auto-corrected procedure for quality improvement in the MUST. QEC is committed to pursue its mission, throughout the year by continuous working."

QEC activities during the year 2022 are discussed as under:

1. IPE Activity

Under the direction of the Higher Education Commission, Quality Enhancement Cell (QEC) is strengthening the quality in Higher Education Institutions (HEI). To achieve this objective, Institutional Performance Evaluation committee had reviewed the MUST performance. The committee had been constituted with internal and external members to ensure balance of impartiality and local knowledge. Following committee had been constituted to review the institutional performance:

Mr. Ijaz Ahmad (External Reviewer)

Director Quality Assurance,
Govt. College Women University, Sialkot

Prof. Dr. Muhammad Aslam (Internal Reviewer)

Dean, Faculty of Natural and Applied Sciences,
MUST, Mirpur AJK
Head of the Committee



Dr. Azhar Hussain (Member)

Director Quality Enhancement Cell, MUST,
Mirpur AJK

Dr. Naeem Iqbal Ratyal (Member)

Chairman Department of Computer System
Engineering, MUST, Mirpur AJK

Dr. Saira Farooq Shah (Member/Secretary)

Coordinator Department of Education, MUST,
Mirpur AJK

ThreeDaysactivityofInstitutionalPerformance
Evaluation (IPE) for Self Review 2023 was held
at MUST Mirpur AJK on 13-15 March, 2023.
Meeting was organized by the office of QEC
under the leadership of honourable acting
Vice Chancellor Prof. Dr. Anwar Khitab, with
the collaboration of Registrar & Treasurer
Office.

1. On the first day, the Panel reviewed all the documents of the university according to the 11 set Standards of the HEC IPE Manual guidelines, and documented all the findings.
2. On the second day, physical meetings with Senior Administration, HoDs, Assistant Professors/Lecturers, and students were arranged by the QEC office at the Electrical Engineering Meeting room MUST.
3. On the third day, visits to classrooms, labs and libraries of the diverse departments were made to observe/check the facilities, and evidences were recorded/documentated.

The panel prepared the final draft report before closing the activity. It was followed by the exit meeting with the Prof. Dr. Anwar Khitaab, Acting Vice Chancellor Mirpur University. In the exit meeting external review member Dr. Ijaz Ahmed, Director Quality Assurance NUST Islamabad, and Director QEC MUST Dr. Muhammad Aslam shared the salient features of the report with the worthy Vice Chancellor. Dr. Riaz Ahmed appreciated the Internal Review Team and QEC Team MUST for organizing successful three day activity. He admired the standard of educational quality of MUST and extended his appreciation to the worthy Vice Chancellor

for his excellent efforts to uplift the university at national as well as at global level.



2. Post Graduate Program Review Activity

Quality Enhancement Cell (QEC) MUST is focusing to strengthen the quality research culture in the university. To achieve this objective, postgraduate programs are reviewed annually to monitor their performance and to look for room of improvement. QEC MUST arranged a Post Graduate Program Review (PGPR) in coordination with the Higher Education Commission Pakistan (HEC) Islamabad.

Following HEC Review panel visited MUST Mirpur to evaluate MS/M. Phil. And PhD programs:

Dr. Hafiz Haider Ali

Director QEC
Govt. College University Lahore

Prof. Dr. Muhammad Aslam

Dean, Faculty of Natural and Applied Sciences,
MUST, Mirpur AJK
Head of the Committee

ADMINISTRATIVE AND ALLIED OFFICES

Dr. Azhar Hussain (Member)

Director Quality Enhancement Cell, MUST,
Mirpur AJK

Prof. Dr. Muhammad Sajjid

Director AS&RB
MUST, Mirpur

Dr. Imran Ali

Associate Prof, Department of Biotechnology
MUST, Mirpur

Dr. Sehrish Shafi

Coordinator Department of English
MUST, Mirpur

Two Days HEC Post Graduate Program Review (PGPR) activity for the year 2022-2023 was held at MUST Mirpur AJK on 03-05 January, 2023. Meeting was organized by the office of QEC under the leadership of honourable acting Vice Chancellor Prof. Dr. Anwar Khitab., with the collaboration of Registrar & Treasurer Office.

On first day, acting Vice Chancellor Prof. Dr. Anwar Khitab, welcomed the HEC Review Panel. In the opening session, Review panel was briefed by Deputy Director QEC, Engr. Dr. Sohaib Manzoor about the status of all the postgraduate programs running at MUST, Mirpur AJK. After the briefing panel reviewed all the documents of the university according to HEC PGPR guidelines, and documented all the findings.

On the second day, visits to classrooms, labs and laboratories of the selected departments were made to observe/check the facilities, and evidences were recorded/documented. The panel prepared the final draft report before closing the activity. It was followed by the exit meeting with the acting Vice Chancellor Prof. Dr. Anwar Khitab., In the exit meeting the panel shared the salient features of the report with the worthy Vice Chancellor. Review panel appreciated the QEC Team MUST for organizing successful two days

activity. Panel also admired the standard of educational quality of MUST and appreciated the worthy Vice Chancellor for his excellent efforts to uplift the research culture of the university at national and international level.





3. Director QEC MUST delivered Lecture on QS World University Ranking

Women University of Azad Jamu & Kashmir organized an awareness and capacity building seminar on 12th January, 2023. The Director Quality Enhancement Cell MUST, Dr. Azhar Hussain was the resource person of the seminar.

The session was based on interactive learning and knowledge sharing. It comprised of a lecture and interactive session, which focused on the knowledge sharing, discussion and feedback.



4. Director QEC Participation in International Seminar on Pakistan's Growing Global Impact

The University of Lahore and the HEC jointly organized the international seminar on, "Pakistan growing global impact: A Data Masterclass by Time Higher Education (THE)" on 25 January 2023.

To strengthen the understanding and capacity of the HEI, HEC jointly organized

this event with the University of Lahore. The objective was to develop the understanding of global presence through achieving the university rankings. For this, data plays an important role. In recent years, the availability and provision of the data has become extremely important. The institutions of higher education demonstrates the effectiveness of their academic programs through this data. HEC requires universities to provide updated data for its academic programs in order to improve them and ensure transparency of high academic standards. This data further displays the academic institutions ranking not only nationally but globally.

The Director QEC MUST has participated in this seminar and brings back enlightened understanding of the importance of international ranking and its global impact.



5. Higher Education Statistic Training of the Affiliated Colleges of MUST Mirpur, AJK

In recent years, the availability and provision of the data has become extremely important. The institutions of higher education demonstrate the effectiveness of their academic programs through this data. HEC requires universities to provide updated data for its academic programs in order to improve them and ensure transparency of high academic standards.



Availability of the information is an important tool for academic quality assurance and provides feedback for faculty and administration to initiate action plans for improvement. To train affiliated colleges, faculty of MUST Mirpur AJK, QEC MUST organized a one-day activity on March 18, 2023. Resource person, Dr. Azhar Hussain, Director QEC, MUST addressed the audience in two sessions.

Dr. Azhar elaborated that the availability of the data is important in ensuring transparency. Furthermore, availability of data is a systematic process of gathering, reviewing, and using important quantitative and qualitative information from multiple and diverse sources about educational programs. The sole purpose of this exercise is the availability of the information on the click. In the session, the presence of the staff of the Registrar office MUST, Mr. Mohsin Assistant Registrar General and Mr. Daniyal Sakhi from Network and Telecommunication Center highlighted the importance of the session.

6. Provision of the Higher Education Statistics

One of the major activities of the Statistical Information Unit (SIU) of the Higher Education Commission (HEC) is to collect statistical data annually from all the public and private Higher Education Institutes (HEIs). The acquired statistical data is then further utilized for planning, policy designing and decision-making purposes. Considering the sensitivity, importance and time constraints, the Vice Chancellor, Mirpur University of Science and Technology (MUST) had assigned this responsibility to Quality Enhancement Cell (QEC). QEC has designed rigorous and enlightened strategy for the data collection to ensure accuracy, transparency and timely submission of the data to HEC. In this regard, a webinar was hosted by HEC on November 04, 2021 where the QEC staff participated with full dedication. In accordance with the

guidelines, the relevant data was collected and submitted on 30-05-2022.

7. Establishment of QEC set up in the affiliated colleges

Quality assurance is an ongoing process, QEC under the guideline of the HEC is committed to ensure its standards from grass root level. To implement the quality assurance mechanisms as per requirement of HEC, such as survey completion student feedback, faculty feedback, Institutional assessment and provision of day to day data/information required by QEC office MUST. The QEC has nominated focal persons for each Department of MUST Main Campus, Sub-Campus and Affiliated Colleges. These focal persons of QEC are working with zeal and dedication in all the academic departments of MUST and affiliated colleges to make the online teaching effective and productive as per guidelines of HEC. QEC takes the initiative that the programs under purview of any accreditation council in affiliated colleges should be accredited by the relevant bodies.

8. Participation in Statutory Bodies Meetings of MUST

The QEC Director participated in the 20th meeting of Syndicate of MUST as a member on 28th February 2023. The Syndicate was chaired by the honorable Chancellor of the MUST.

The QEC Director participated in the 21st meeting of Syndicate of MUST on 15th August 2023. The meeting was chaired by the honorable Vice Chancellor of the MUST.

The QEC Director participated in the 15th & 16th meeting of Academic Council of MUST as member on 13rd April 2023. The meeting was chaired by the honorable Vice Chancellor of the MUST.



9. Membership of Association/ Networks

The international Network for Quality Assurance Agencies in Higher Education (INQAAHE) is a world-wide association

of 300+ organizations active in the theory and practice quality assurance in higher education. MUST also become the Associate Member of INQAAHE in 2022-23 to take part and observe Quality Assurance activities in the Higher Education Sector.

Name of Agency	Location	Membership Status
INQAAHE	Netherland Hague	Active

10. Accreditation Status of Programs from Relevant Councils

Name of Degree Programs	Faculty Name	Accreditation Council/ Body
B.Sc. Electrical Engineering	Faculty of Engineering	Accredited by Pakistan Engineering Council (PEC)
B.Sc. Civil Engineering		Accredited by Pakistan Engineering Council (PEC)
B.Sc. Mechanical Engineering		Accredited by Pakistan Engineering Council (PEC)
B.Sc. Software Engineering		Accredited by Pakistan Engineering Council (PEC)
B.Sc. Computer Systems Engineering		Accredited by Accredited by Pakistan Engineering Council (PEC)
B.Sc. Electrical Engineering		Accredited by Pakistan Engineering Council (PEC)
Bachelor/ Master of Business Administration	Humanities and Social Sciences	Under Process by National Business Education Accreditation Council (NBEAC)
Law		Under Process by Pakistan Bar Council (PBC) Azad Kashmir Bar Council
Education		Accredited by National Accreditation Council for Teaching Education
Computer Science & Information Technology	Natural & Applied Sciences	Under Process by National Computing Education Accreditation Council (NCEAC)
Human Nutrition and Dietetics	Health & Medical Sciences	Accreditation Body Zero-Visit Scheduled on 23rd April 2023.



11. List of Activates performed by Quality Enhancement Cell MUST, Mirpur during July 2022 to June 2023

QEC, MUST performed / participated / contributed in various national and international level activities:

Sr. No.	Activities	Date
01	24th Meeting of the Senate	18th August 2023
02	20th Meeting of the Syndicate	28th February 2023
03	21st Meeting of the Syndicate	15th August 2023
04	15th Meeting of Academic Council	13rd April 2023
05	16th Meeting of Academic Council	13rd April 2023
06	10th Meeting of Finance & Planning Committee 17th September 2022	17th September 2022
07	11th Meeting of Finance & Planning Committee 5th April 2023	5th April 2023
08	12th Meeting of Finance & Planning Committee 24th July 2023	24th July 2023
09	Internal Meeting of QEC Staff for Self IPE Review 2022-23	
10	Internal Meeting of QEC Staff for Post Graduate Program Review 2022-23	28 December 2022
11	Internal Meeting of QEC Staff for HES Statistical Data for Affiliated Colleges MUST	16 March 2023
12	Internal Meeting of QEC for QEC Annual Meeting 2022-23	13th June 2023
13	Meeting of SAR Ph.D. Department of Chemistry	16th January 2023
14	Meeting of SAR M.Phil. Department of Biotechnology	10th January 2023
15	Meeting of SAR Ph.D. Department of Botany	08th February 2023
16	Meeting of SAR M.Phil. Department of Botany	18th January 2023
17	Meeting of SAR BS Department of Botany	11th January 2023
18	Meeting of SAR M.Phil. Department of Physics	10th January 2023
19	Meeting of SAR BS Department of Statistics	11th February 2023
20	Meeting of SAR MS Energy System Department of Mechanical Engineering	4th January 2023
21	Meeting of SAR MA Department of English	09th February 2023
22	Meeting of SAR BS Forestry MUST Pallandri Campus	6th February 2023
23	Meeting of SAR BS Tourism and Hospitality MUST Pallandri Campus	6th February 2023
24	Meeting of SAR BS Chemistry in Ghazi Elahi Baksh Degree College Mirpur	15th March 2023



25	Meeting of SAR in BS Botany Ghazi Elahi Baksh Degree College Mirpur	13th February 2023
26	Meeting of SAR BS Mathematics in Post Graduate College Mirpur	17th January 2023
27	Meeting of SAR BBA in Kings International College Mirpur	27th January 2023
28	Meeting of SAR BS English in Post Graduate College Bhimber	24th January 2023
29	Participate the Meeting of SAR in BS Mathematics in Punjab College Bhimber	30th January 2023
30	Meeting of SAR in BBA in Punjab College Bhimber	30th January 2023
31	Meeting of SAR in BS Commerce Punjab College Kotli	16th February 2023
32	Meeting of SAR in BS English Punjab College Kotli	24th January 2023

12. Total Number of Programs and SARs during 2021-22 (Completed)

Self-Assessment Reports and Rubric Forms from different departments in MUST and Affiliated Colleges given in the table below were submitted to QEC Office followed by the preparation of Executive Summary for each program.

Sr. No.	Department	Program
Main Campus		
Faculty of Engineering		
1.	Mechanical Engineering	M.Sc.
Faculty of Natural & Applied Sciences		
2.	Chemistry	Ph.D.
3.	Botany	Ph.D.
4.		M.Phil.
5.		BS
6.	Physics	M.Phil.
7.	Biotechnology	M.Phil.
8.	Statistics	BS
Faculty of Social Sciences and Humanities		
9.	English	MA
Pallandri Campus		
10.	Forestry	BS
11.	Tourism and Hospitality	BS
Affiliated Colleges		
12.	PGC Mirpur	BS Mathematics
13.	Punjab College Bhimber	BS Mathematics
14.		BBA

ADMINISTRATIVE AND ALLIED OFFICES



15.	Ghazi Elahi Bakhsh Degree Colege Mirpur	BS Chemistry
16.		BS Botany
17.	Kings International College, Mirpur	BBA
18.	Punjab College Kotli	BS English
19.		BSCS
20.	Post. Graduate College Bhimber	BS English

13. QEC Future Plans

- Progress against Institutional Performance Evaluation: Updating and finalizing the compliance against the findings of the IPE FY2022-23 (as given in the revised criteria and updated targets).
-
- Conduction of IPE by the HEC for the FY2023-24(as given in the revised criteria).
-
- Progress against Program Self-Assessment; Compilation and completion of SARs.
-
- Accreditation/Reaccreditation process/visit: All programs offered by the university that fall under purview of any Accreditation Council will be accredited/reaccredited from the respective councils.
-
- Ph. D. Program Review and MS/M. Phil & Equivalent Program Review
 - i. Updating of data related to all MS/M.Phil./Equivalent and Ph.D. programs as per the given templates
 - ii. Conducting PhD Program Review and MS/M. Phil & Equivalent Program Review by Self Review in the same as given in the revised criteria.
-
- Ensure the Implementation of HEC (QA) Polices and criteria's at university level.
-
- Organizing Seminar, trainings and Workshops at the University.



SPORTS ACTIVITIES

Introduction

It is with great pleasure that we present the Annual Sports Report for the academic year 2022-2023. This report encapsulates the various sports activities, achievements, and highlights that defined this remarkable year.

1. Inter House Games Athletics Championship 2022-23

The Directorate of Sports organized the Inter House Games Athletics Championship, a highly anticipated event that took place from November 27th to 3rd, 2022, at the prestigious MUST Mirpur AJK. The championship witnessed enthusiastic participation from students representing diverse academic departments, fostering a sense of camaraderie and healthy competition.

We were privileged to have the Vice Chancellor of MUST, Brig (R) Prof. Dr. Muhammad Younus Javed (S.I), graced the occasion as the Chief Guest, elevating the significance of the event.

2. Boys Inter House Games Athletics Championship

The championship featured a range of events, including the 100M, 200M, 400M, 800M Race, 1500M Race, Shot Put Throw, Discus Throw, and Long Jump.

We were proud to recognize M. Kashif as the Best Athlete of the championship. His exceptional skills and dedication stood out throughout the competition.

3. Girls Inter House Games Athletics Championship

The girls' championship included a series of events, namely the 100M, 200M, and 400M,

800M Race, Shot Put Throw, Discus Throw, and Long Jump.

Rizwa Nadeem emerged as the Best Athlete among the female participants, demonstrating outstanding performances and sportsmanship.

Closing Ceremony of the Annual Sports Report 2022-2023:

The climax of our remarkable year of sports activities was the Closing Ceremony, which took place with great pomp and enthusiasm. We were honoured to have the Vice Chancellor of MUST, Prof. Dr. Muhammad Younus Javed (S.I), as the esteemed Chief Guest for this grand occasion.

During the Closing Ceremony, Vice Chancellor distributed shields and trophies to the deserving students who had demonstrated outstanding performance and sportsmanship throughout the year. This gesture of recognition and appreciation served as a motivating factor for our athletes to continue striving for excellence in their respective sports.

4. The Chief Guest, Prof. Dr. Muhammad Younus Javed (S.I), took a moment to address the gathered students and faculty members

He commended the dedication, hard work, and spirit of healthy competition displayed by our athletes. He emphasized the importance of sports in nurturing not only physical fitness but also discipline, teamwork, and perseverance. His words of encouragement resonated with everyone present, inspiring our athletes to aim for greater heights in their sporting endeavours.

The Closing Ceremony was a celebration of



not just athletic achievement but also the values and life skills that sports instill in our students. It marked the successful conclusion of a memorable year of sports activities and set the stage for even more exciting and successful sports events in the future.

We extend our heartfelt gratitude to Vice Chancellor Prof. Dr Muhammad Younus Javed (S.I) for gracing us with his presence and for his continued support in promoting sports excellence at Mirpur University of Science & Technology (MUST), Mirpur. We look forward to another year of achievements and sportsmanship in the upcoming academic year.

5. Interuniversity Games 2022-23

In addition, our institution actively participated in the Interuniversity Games, fostering a spirit of sportsmanship and competition. We engaged in various sports disciplines at different universities. Here are the details of our participation:

HEC Games Badminton at Ripha University

from November 2nd to 4th, 2022.

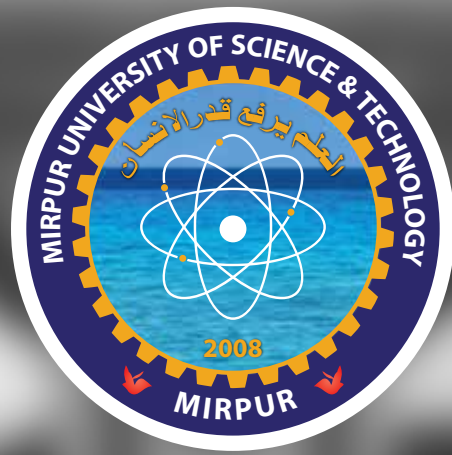
Volleyball at Bharia University from November 18th to 19th, 2023.

Football at NUST University from November 19th to 21st, 2022.

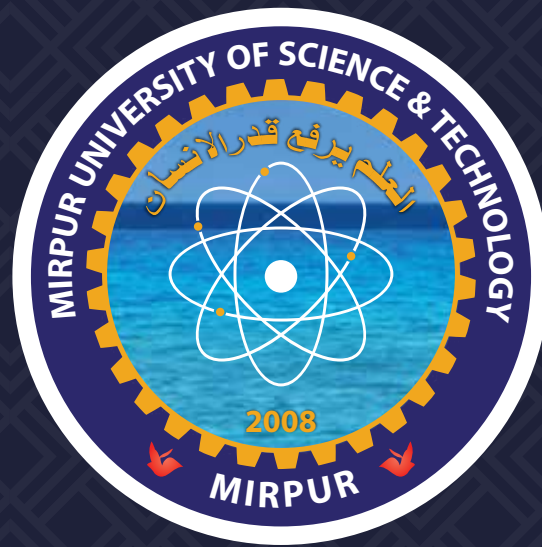
6. Conclusion

The academic year 2022-2023 has been defined by the remarkable achievements and sporting excellence demonstrated by our students. We extend our gratitude to the Directorate of Sports, faculty members, and the entire student body for their active participation and unwavering support in making these sports events a resounding success.

As we look ahead, we anticipate another year filled with exciting sports activities and accomplishments in the academic year 2023-2024.



WISDOM & VIRTUE



**MIRPUR UNIVERSITY OF SCIENCE & TECHNOLOGY
(MUST), MIRPUR (AK)**

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